

CS101 All Past Solved Final Term Papers in one file (19 Papers)

By
VU Helping Hands

FINALTERM EXAMINATION
Spring 2009
CS101- Introduction to Computing (Session - 2)

Note:- MCQs in Blue are the sure answers and Yellow highlighted are Quarantined

ExamDate:7/2/2009 12:00:00 AM

Time 120

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

_____ breaks down the message to be sent over the internet into packets.

FTP

HTTP

TCP (page.no.317)

IP

Question No: 2 (Marks: 1) - Please choose one

A protocol used for receiving email messages is called _____.

0 URL

1 Telnet

2 POP3 (page.no.213)

3 SMTP

Question No: 3 (Marks: 1) - Please choose one

Aliasing problem can be managed by _____ the size of pixels.

5888 Reducing (page.no.236)

5889 Increasing

5890 Gaining

5891 Modifying

Question No: 4 (Marks: 1) - Please choose one

Variables allow us to manipulate data through the _____.

23 Actual Value

24 Reference (page.no.143)

25 Length

26 Name

Question No: 5 (Marks: 1) - Please choose one

The _____ reserved word allows a determined action to be taken if the first condition is false.

5888 For

5889 While

5890 Else

5891 Switch

Question No: 6 (Marks: 1) - Please choose one

ERP is a type of _____ .

23 Entertainment software

24 Productivity software

25 Business software

26 Scientific software

Question No: 7 (Marks: 1) - Please choose one

What is/are the use/uses of Word processor?

5888 To write a letter

5888 To write Research paper or report

5889 To create address labels

5890 All of the given

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Question No: 8 (Marks: 1) - Please choose one

Command that allows you to recover from mistakes is called _____.

23 Clear

24 Edit

25 Undo

26 Break

Question No: 9 (Marks: 1) - Please choose one

Automatic machines performing various tasks that were previously done by humans, are called _____.

- 5888 Robotics (page.no.244)
- 5889 Computers
- 5890 Decision Making Systems
- 5891 Autonomous Web Agents

Question No: 10 (Marks: 1) - Please choose one

The _____ is connected to all other modules of the microprocessor.

- 23 Control unit
- 24 Memory unit
- 25 Floating Point unit
- 26 Arithmetic and Logic unit

Question No: 11 (Marks: 1) - Please choose one

Database consisting of two or more related tables, is called _____.

- 5888 Flat file database
- 5889 Object oriented database
- 5890 Tabular storage database
- 5891 Relational database (page.no.263)

Question No: 12 (Marks: 1) - Please choose one

_____ can be used for entering, editing, or viewing data, one record at 23 time.

23 Queries

24 Forms (page.no.263)

25 Reports

26 None of the given options

Question No: 13 (Marks: 1) - Please choose one Distance

learning has got a boost due to the _____.

5888 Easy communication

5889 Online interactive contents

5890 Flexibility

5891 All of the given options

Question No: 14 (Marks: 1) - Please choose one

_____ DBMS supports data in terabytes.

23 Personal

24 Desktop

25 Enterprise

26 Single-user

Question No: 15 (Marks: 1) - Please choose one

After the DoS attack in year 2000, Yahoo servers were recovered in _____.

5888 1 hour

5889 2 hours

5890 **3 hours**

5891 4 hours

Question No: 16 (Marks: 1) - Please choose one

When web server is busy it gives the following message to the user :

23 Time out

24 Waiting

25 **Server busy**

26 None of the given options

Question No: 17 (Marks: 1) - Please choose one

To stop industrial espionage, we use_____.

5888 Private network

5889 Encryption

5890 Network sniffer

5891 **All of the given options (page.no.277)**

Question No: 18 (Marks: 1) - Please choose one

_____ based communication allows business entities to coordinate the activities of their globally spread units with greater accuracy.

23 Intranet

24 Internet

25 Home

26 LAN

Question No: 19 (Marks: 1) - Please choose one

onAbort , onError are the _____ of the image object.

5888 Event Handler (page.no.286)

5889 Properties

5890 Methods

5891 None of the given options

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Question No: 20 (Marks: 1) - Please choose one

Processed data is called _____.

23 Information

24 Data

25 Entity

26 Attribute

Question No: 21 (Marks: 1) - Please choose one

_____ is a client program that uses HTTP to make requests to Web servers throughout the internet on behalf of the user.

5888 Web Application

5889 Web Browser (page.no.18)

5890 Internet Application

5891 HTML

Question No: 22 (Marks: 1) - Please choose one

_____ consists of cells arranged in rows & columns

23 Spreadsheets Software

24 Word processor

25 Presentation Software

26 Microsoft Paint Software

Question No: 23 (Marks: 1) - Please choose one

Flow control constructs in JavaScript includes:

23 If-Else

24 Loops and If -Else

25 Switch and If-Else

26 All of the given choices

Question No: 24 (Marks: 1) - Please choose one

Which is NOT true for JavaScript variable name ?

5888 Student

5889 Roll_no_1111

5890 For

5891 _schedule

Question No: 25 (Marks: 1) - Please choose one

In JavaScript, second element of an array has the index:

23 2

24 0

25 1

26 3

[JavaScript Array Basics](#)

5 May 2008 ... In this tutorial you learn what a JavaScript array is, ... The first element has an index of 0, the second element has an index of 1, ...

www.elated.com/articles/javascript-array-basics/ - [Cached](#) - [Similar](#) -

Question No: 26 (Marks: 1) - Please choose one

Which protocol is used to control other computer from our own computer ?

5888 FTP

5889 NNTP

5890 TELNET (page.no.211)

5891 None of the given choices

Question No: 27 (Marks: 1) - Please choose one

_____ occurs when a function calls itself.

23 **Recursion**

24 Call by value

25 Call by reference

26 Parsing

[Recursion - Wikipedia, the free encyclopedia](https://en.wikipedia.org/wiki/Recursion)

The function calls itself recursively on a smaller version of the input (n - 1) and multiplies the result of the recursive call by n, until reaching the ...
en.wikipedia.org/wiki/Recursion - [Cached](#) - [Similar](#) -

Question No: 28 (Marks: 1) - Please choose one

Which function returns a randomly selected floating point number between 0 and 1 ?

5888 floor(x)

5889 ceil(x)

5890 random()

5891 round(x)

Question No: 29 (Marks: 1) - Please choose one

Using Java Script you can write a character at random location on screen

23 By applying randomCh() method

24 With the help of String object

25 With the help of random character property

26 There is no built in approach in Java Script

Question No: 30 (Marks: 1) - Please choose one

The most used form tag is the <input> tag.

23 True

24 False

Question No: 31 (Marks: 1)

What are the elements of website design? Any one

Question No: 32 (Marks: 1)

What kind of information can be stored in a database ?

Question No: 33 (Marks: 2)

What is meant by universal access of internet services ?

Question No: 34 (Marks: 2)

What is the database?

Question No: 35 (Marks: 3)

The event handler attribute consists of three parts. Write about each of them.

Question No: 36 (Marks: 3)

What is difference between Design and System

Architecture? www.vuhelpinghands.blogspot.com

Question No: 37 (Marks: 3)

What are Trojan Horses ?

Question No: 38 (Marks: 5)

Differentiate between For and While loop by writing the syntax of both loops.

Question No: 39 (Marks: 5)

Suppose we have a big project. Draw hierarchy of the people involved in the project?

Question No: 40 (Marks: 10)

Write down output for the following JavaScript code.

a) `<script type="text/javascript">`

`document.write(Math.sqrt(25)); // output ? </script>`

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b) `<script type="text/javascript">`

`document.write(Math.pow(5, 3)); // output ? </script>`

c) `<script type="text/javascript">`

`document.write(Math.min(5, 3)); // output ? </script>`

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d) `<script type="text/javascript">`

`document.write(Math.max(5, 3));`

`// output ?`

`</script>`

e) `<script type="text/javascript">`

`document.write(Math.floor(9.87));`

`// output ?`

`</script>`

Question No: 41 (Marks: 10)

Is tabular data storage better than flat file data storage? Justify your answer.



FINAL TERM EXAMINATION

Spring 2009

CS101- Introduction to Computing (Session - 4)

Note:- MCQs in Blue are sure answers and yellow highlighted are Quarantined

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

Which of the following hardware component of a computer can also be called as engine?

5888 Bus

5889 Storage

5890 Memory

5891 Processor

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Question No: 2 (Marks: 1) - Please choose one

TCP stands for _____.

5888 Total communication protocol

5889 Transmission control protocol (page. no.317)

5890 Transfer control protocol

5891 Transfer collection protocol

Question No: 3 (Marks: 1) - Please choose one

_____ breaks down the message to be sent over the internet into packets.

23 FTP

24 HTTP

25 TCP (Page.no.317)

26 IP

Question No: 4 (Marks: 1) - Please choose one

A variable can be _____ in scope.

5888 Local

5889 Global

5890 Either local or global (page.no.204)

5891 None of the given options

Question No: 5 (Marks: 1) - Please choose one

A protocol used for receiving email messages is called _____.

23 URL

24 Telnet

25 POP3

26 SMTP (page.no.213)



Question No: 6 (Marks: 1) - Please choose one

A function is also called _____.

- 5888** Sub-program
- 5889** Procedure
- 5890** Sub routine
- All of the given option**

Question No: 7 (Marks: 1) - Please choose one

Capturing events and responding to them is called _____.

- 23** Function Handling
- 24** Event Handling (page.no.228)
- 25** Event Procedure
- 26** All of the given option

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Question No: 8 (Marks: 1) - Please choose one

Which one of the following is NOT a primary color?

- 5888** Red
- 5889** Green
- 5890** Yellow
- 5891** Blue



Question No: 9 (Marks: 1) - Please choose one

_____ are those programs in which the flow of the program is determined by the user's actions (mouse clicks, key presses) or messages from other programs.

23 Event called programs

24 Event processed programs

25 Event driven programs

26 Event declared programs

Question No: 10 (Marks: 1) - Please choose one

`a = Math.ceil(12.01)`

What will be the value of a ?

5888 12

5889 13

5890 12.0

5891 13.01

Question No: 11 (Marks: 1) - Please choose one

Event handlers are placed in the _____ portion of a Web page as attributes in HTML tags.

23 HEAD

24 BODY (page.no229)

25 SCRIPT

26 TITLE

Question No: 12 (Marks: 1) - Please choose one

_____ can be used for entering, editing, or viewing data, one record at 5888 time.

5888 Queries

5889 Forms (page.no.263)

5890 Reports

5891 None of the given options

Question No: 13 (Marks: 1) - Please choose one

random() function returns a randomly-selected, floating-point number between _____.

23 0 and 1

24 0 and 10

25 0 and -10

26 0 and -1

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Question No: 14 (Marks: 1) - Please choose one

The organizations are learning that business can be done in a more effective manner if emphasis is placed upon _____.

5888 Cooperation

5889 Shared responsibility

5890 Networking

5891 All of the given options (page.no.281)

Question No: 15 (Marks: 1) - Please choose one

In relational database, data store in the form of _____.

23 Tables (page.no.321)

24 Rows

25 Columns

26 None of the given options

Question No: 16 (Marks: 1) - Please choose one

Spies of one business monitoring the network traffic of their competitors' _____.

5888 Industrial Intelligence

5889 Industrial Espionage (page.no.277)

5890 Industrial Spying

5891 Industrial Surveillance

Question No: 17 (Marks: 1) - Please choose one

_____ waits for some time and then launch a function.

23 Timeout()

24 setTimeout()

(page.no.290)

25 setTime()

26 setTimeln()

Question No: 18 (Marks: 1) - Please choose one

_____ based communication allows business entities to coordinate the activities of their globally spread units with greater accuracy.

5888 Intranet

5889 Internet (page.no.294)

5890 Home

5891 LAN

Question No: 19 (Marks: 1) - Please choose one

The key responsibilities of a project manager is _____.

23 Planning and tracking of the project

24 Arranging of the appropriate resources

25 Client relationship management

26 All of the given options (page.no.296)

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Question No: 20 (Marks: 1) - Please choose one _____

team consists on the sharpest technical minds in the company.

5888 Architecture (page.no.302)

5889 Business Development

5890 Configuration Management

5891 Developer

Question No: 21 (Marks: 1) - Please choose one

Smart editors can automatically color different parts of statements in different colors e.g. comments in _____ color.

23 Green

24 Grey (page.no.315)

25 Blue

26 Red

Question No: 22 (Marks: 1) - Please choose one

A collection of data organized in such a way that the computer can quickly search for a desired data item is known as :

5888 Retrieving

5889 Database (page.no.321)

5890 Information

5891 DBMS

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Question No: 23 (Marks: 1) - Please choose one

Deep Blue was the name of

23 computer (page.no.9)

24 human

25 city

26 game

Question No: 24 (Marks: 1) - Please choose one

Information available on the web is

23 mostly free of cost 24 costly

25 very cheap

26 of no use

Question No: 25 (Marks: 1) - Please choose one

Which one is correct?

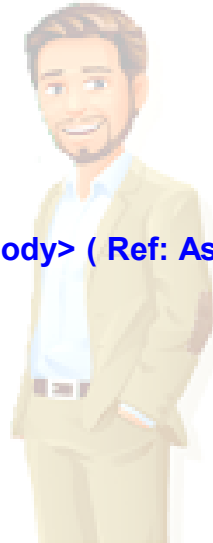
5888 <BODY></BODY>

5889 <body></body>

5890 Both <BODY></BODY> and <body></body> (Ref: As
HTML
is not case sensitive)

5891 <BODY/>

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Question No: 26 (Marks: 1) - Please choose one

_____ is the best known builder for supercomputers.

23 Sun

24 Cray Research (page.no.21)

25 Microsoft

26 Apple

Question No: 27 (Marks: 1) - Please choose one

Which one is the example of spreadsheet software ?

5888 MS Word

5889 MS PowerPoint

5890 MS Excel

5891 MS Access

Question No: 28 (Marks: 1) - Please choose one

Currently the BlueRay DVD can store more than _____ of data.

23 10 GB

24 100 GB

25 50 GB (page.no.305)

26 150 GB

Question No: 29 (Marks: 1) - Please choose one

Blue Pacific is a name of _____ computer.

5888 Mini

5889 Desktop

5890 Micro

5891 Super (page.no.21)

Question No: 30 (Marks: 1) - Please choose one

_____ are powerful pieces of hardware, but not much useful on their own.

23 Microcontrollers

24 Microprocessors (page.no.33)

25 Integrated circuits

26 Ports

Question No: 31 (Marks: 1)

In programming, what is a loop?

In computer science a for loop is a programming language statement which allows code to be repeatedly executed. A for loop is classified as an iteration statement.

Question No: 32 (Marks: 1)

What are the other names of function? Any one.

Routine , procedure , sub prograam

Question No: 33 (Marks: 2)

How JavaScript Arrays are heterogeneous ?

Arrays are heterogeneous in java script because at the same time stimultanously they can hold elements of multiple data types

Question No: 34 (Marks: 2)

What is the database?

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Data base is a collection of organized data in a proper way that computer can quickly search for any desired data item , its an easy way of allowing of manipulation of data,they are design in such a way that access to any desired data can be identified and reached quickly and easy , they are generally consist of collection of interrelated files

Question No: 35 (Marks: 3)

Differentiate between LAN and WAN with one example of each.

Lan is a local area network where as wan is a wide area network

Lan can be used in a specific areas with limited computers where as wan can be used on computers shared by large distances

For example lan can be used on pc s or an organization located in one building but wan can be used on large scales like banks all over or in any Large communication systems

Question No: 36 (Marks: 3)

What are Trojan Horses ?

Trojan horses are a kind of cyber crime , they are v harmful to computer because they are stand alone programme and the look like what they are not like any thing amusing or not harmless like games..

Question No: 37 (Marks: 3)

Elaborate Raster Graphics with examples.

A raster graphics image, digital image, or bitmap, is a data file or structure representing a generally rectangular grid of pixels, or points of color, on a computer monitor, paper, or other display device.

To illustrate the matter further - here's the letter "J":

J

Look closely at it... Take a magnifying glass to it if you like. You see a "J", the computer sees something more like this, where '.' represents a zero and 'X' represents a one:

...X
...X
...X
...X
...X
...X
...X
X...X
X...X
.XXX.

Where you see a zero, the computer instructs its video hardware to paint the current background color. A one calls for the current foreground color. Yes, it is actually a bit more complicated, but it all basically boils down to one bit or the other making a distinction

between the colors of adjacent pixels, which together form an image.

Question No: 38 (Marks: 5)

What are the important properties, methods and event handlers of image object?

The primary use of the image object is to download an image into the cache before it is needed to display , image object can be used to create different kinds of animations or to display one of several images based on

the desired requirement , in java script image object can be used to display the required pre loaded image

Properties of image object is : height , width ,hspace ,vspace , src , name border etc

Methods :none

Event handlers:on abort , onload, onerror etc

Question No: 39 (Marks: 5)

Write the JavaScript code for the Function SumOddNumbers(maxNumber) that can add non-negative odd numbers up to maxNumber and return their sum.

Function sum odd numbers(maxnumber){var sum=0;

For(i=0; <maxNumbers;l++)

{

{

if(i / 2 == 1 || i == 1)

sum += i;

}

return sum;

}

Question No: 40 (Marks: 10)

Write a note on :

5888Coding guidelines

5889Guidelines for developing short programs.

5890Coding guidelines

23 • Always use semicolons to end

statements

24 • Indent blocks of code (2 to 5 spaces)

25 • Identifiers

26 • Use the camel back scheme

27 • Variables: nouns

28 • Functions: verbs

29 • Comment Liberally

30 • Make them descriptive but concise

Guidelines for developing short programs.

5888• Read and understand the problem

5889• Do you have all the required data?

5890• No: Get it

5891• Else assume it. State it explicitly

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5892• Do the design

Question No: 41 (Marks: 10)

write a note on each of the following:

5888 Vector or Object-Oriented Graphics:

5889 Bit-Mapped or Raster Graphics: everything drawn is treated as object. objects retain their identity after they are drawn. these objects can be stretched, duplicated, deleted, etc. they are resolution independent and have relatively small file size. the examples are: swf, svg, wmf, ps

brass_ibrahim: Vector graphics is the use of geometrical primitives such as points, lines, curves, and shapes or polygon(s), which are all based on mathematical equations, to represent images in computer graphics.

brass_ibrahim: The term "vector graphics" is mainly used today in the context of two-dimensional computer graphics. Virtually all modern 3D rendering is done using extensions of 2D vector graphics techniques. Virtually all modern 3D rendering is done using extensions of 2D vector graphics techniques.

B:Bit-Mapped or Raster Graphics:

Treats everything that is drawn as a bit-map

If an object is drawn on top of another, it is difficult to move just one of them while

leaving the other untouched

Changing the resolution often requires considerable touch-up work

Relatively large file size

Examples: gif, jpg, bmp

masood.tariq: Bit-Mapped or Raster Graphics:

Treats everything that is drawn as a bit-map

If an object is drawn on top of another, it is difficult to move just one of them while

leaving the other untouched

Changing the resolution often requires considerable touch-up work

Relatively large file size

Examples: gif, jpg, bmp

FINAL TERM EXAMINATION

SPRING 2007

CS101 - INTRODUCTION TO COMPUTING (Session – 3)

Marks: 60

(Time: 150min)

Question No: 1 (Marks: 1) - Please choose one

In Spreadsheets, you can create a relationship between two cells by using _____.

0 Numbers

1 Text

2 ☐ Formulas

3 None of given option

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Question No: 2 (Marks: 1) - Please choose one

An algorithm that always takes the best immediate or local solution while finding an answer is called_____.

0 Deterministic Algorithm

1 ☐ Greedy Algorithm

3 Randomized Algorithm

Question No: 3 (Marks: 1) - Please choose one

Which of the following command allows you to recover from mistakes in MS Word?

0 Clear

1 Edit

2

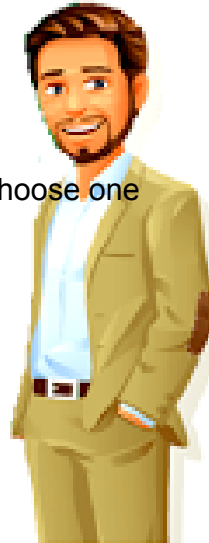
Undo

3 Break

Question No: 4 (Marks: 1) - Please choose one

A _____ operating system allows many users to take advantage of the computer's resources, simultaneously

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0 Single user

1

Multi- user

Question No: 5 (Marks: 1) - Please choose one

Network Interface Card is an _____ device

- 0 Input
- 1 Output
- 2 **Input/Output**
- 3 Storage

Question No: 6 (Marks: 1) - Please choose one

The decimal equivalent of binary 1000 is

- 5888 7
- 5889 **8**
- 5890 9
- 5891 10

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Question No: 7 (Marks: 1) - Please choose one

Which of the following is NOT RDBMS software?

- 23 My Sql
- 24 **MS Excel**
- 25 Oracle
- 26 SQL Server

Question No: 8 (Marks: 1) - Please choose one

A computer virus is a

5888 Software that saves the computer from being damaged.

5889 Application software that helps to make different type of viruses and worms

5890 Program that spreads itself and destroys other program

5891 Program that corrects the problems in your computer

Question No: 9 (Marks: 1)

What will be the result of a?

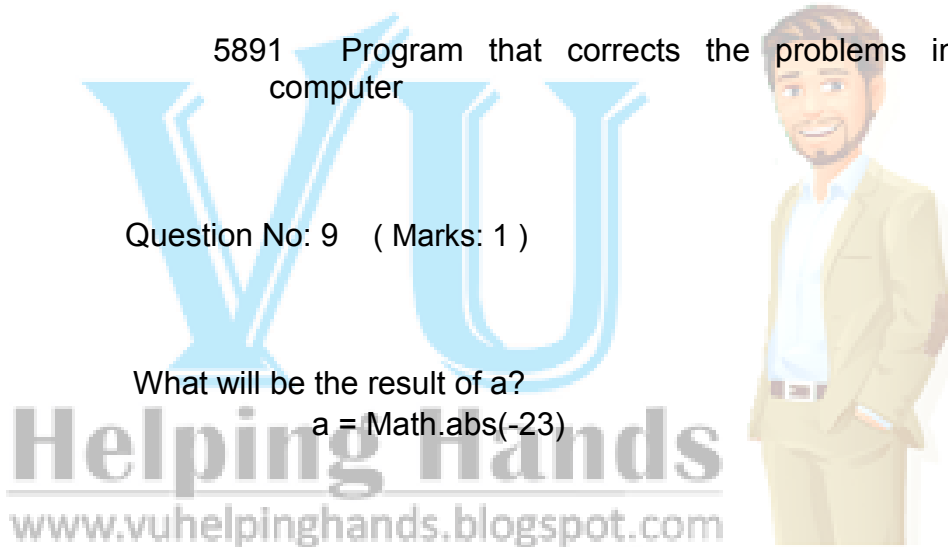
a = Math.abs(-23)

23 23

24 -23

25 23.0

26 2.3





Question No: 10 (Marks: 1)

- Please choose one

A Special program required to view swf (Shockwave Flash) files in web Browser is called

5888 TFlash

5888 Vflash

5889 plug-in

5890 None of the given options

Question No: 11 (Marks: 8)

Match the relevant options from the given two columns and write the correct options in Column 3.

Column 1

2

Column 3

Column

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1.F Mainframe

Computers

2.H Mosaic

3.E Operating System

4A Router

5. G Spread Sheet

6.B Mobile Computer

7.C Intel 4004

8.D Cyber Crime

A. Network Traffic

controller

B. Laptop

C. Micro Processor

D. Software Piracy

E. Windows XP

F. Enterprise Servers

G. VisiCalc

H. Web Browser

Question No: 12 (Marks: 12)

23 What is the difference between Wisdom and Heuristic?

24 Differentiate between Cyber crime and Cyber warfare.

25 What is a Relational Database? Give the names of any three RDBMS softwares?

Question No: 13 (Marks: 8)

What do you know about the following ? Describe briefly.

5888 Enterprise Resource Planning (ERP) Software

5889 Spread Sheet

5890 Network Topology

5891 SMTP

Question No: 14 (Marks: 10)

(a) What is the difference between High level and Low level programming languages?

(Marks: 4)

(b) What are the following abbreviations stands for

(Marks: 3)

1- VoIP voice over

IP

2- DNS Domain Name System

3- DOS disk operating system

(c) Name three operations that you can perform on a database (Marks: 3)

Question No: 15 (Marks: 12)

a) Develop a Web page that prompts the user to enter a name and then print that name five times by using loop. A sample is shown in the figures below.

b) Write down the JavaScript function that is equivalent to the following HTML code?

(Marks: 3)

HTML code

 fontsize(18)

...

 fontcolor(blue)

...

JavaScript function

<PRE> ... </PRE> fixed()

(c) Suggest any three guidelines to make a website more readable? (Marks: 3)



FINALTERM EXAMINATION

Fall 2008

CS101- Introduction to Computing (Session - 2)

Note:- Yellow highlighted is Quarantine option and Blue is Clear

Question No: 1 (Marks: 1) - Please choose one

Which function returns a randomly selected floating point number between 0 and 1 ?

23 floor(x)

24 ceil(x)

25 random()(Correct)

26 round(x)

Question No: 2 (Marks: 1) - Please choose one

Functions are also called:

5880 Heuristics

5889 Variables

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5890 Arrays

5891 Subprograms (Correct)

Question No: 3 (Marks: 1) - Please choose one

In JavaScript, each element of array can store data of type

A Number

An Array

A String variable

Question No: 4 (Marks: 1) - Please choose one

The weaknesses of the computer are:

Pattern recognition & Storage

Speed & Innovative ideas

Pattern recognition & Innovative ideas (Correct)

Speed & Storage

Question No: 5 (Marks: 1) - Please choose one

Processed data is called _____.

Information (Correct)

Data

Entity

Attribute

Question No: 6 (Marks: 1) - Please choose one

Many developers write the _____ first and then incrementally convert each line into _____.

Real code & Pseudo code

Pseudo code & Real code (Correct)

Real code & Artificial code

None of the given options

Question No: 7 (Marks: 1) - Please choose one

When we buy a software package, we do not really buy it, we just by a license that allows us to use it, the _____ stays with the maker.

Agreement

Ownership (Correct)

Membership

Software

Question No: 8 (Marks: 1) - Please choose one

Name, Border, Source are the _____ of the image object.

Event Handler

Properties

Methods

None of the given options

Question No: 9 (Marks: 1) - Please choose one

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Using smart editors they can automatically color different parts of statements in different colors e.g. HTML tags in _____ color.

Green

Grey

Blue (Correct)

None of the given options

Question No: 10 (Marks: 1) - Please choose one

_____ is in Executive team.

Project Manager

CEO (Correct) Page no. 296

Team Lead

Developer

Question No: 11 (Marks: 1) - Please choose one

Module level design and unit testing the responsibility of _____

Team Lead

Developer (Correct)

Project Manager

Quality Assurance Expert

Question No: 12 (Marks: 1) - Please choose one

_____ team is responsible for a project after the specification's stage till the very end.

Executive

Architect

Development (Correct)

HR

Question No: 13 (Marks: 1) - Please choose one

_____ waits for some time and then launch a function.

Timeout() **setTimeout(**

) (Correct) setTime()

setTimeIn()

Question No: 14 (Marks: 1) - Please choose one

Which of the following is NOT an event handler for image object?

onAbort

onError

onLoad

onUser (Correct)

Question No: 15 (Marks: 1) - Please choose one

_____ is a field that uniquely identifies each record stored in a table.

Composite Key

Primary key (Correct)

Foreign key

None of the given options

Question No: 16 (Marks: 1) - Please choose one

Distance learning has got a boost due to the _____.

Easy communication

Online interactive contents

Flexibility

All of the given options (Correct)

Question No: 17 (Marks: 1) - Please choose one

By default in a web page Hyper Link for another web page is represented as _____

Blue only

Black and Underlined

Blue and Bold

Blue and Underlined (Correct)

Question No: 18 (Marks: 1) - Please choose one

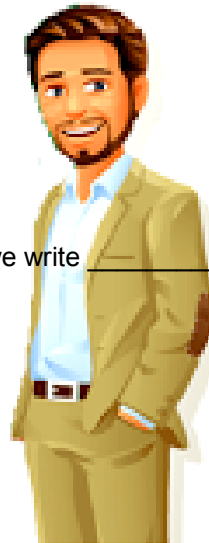
To store rounded number of 8.6 in a variable called "r_number", we write _____.

`r_number=Maths.round(8.6)`

`r_numbers=Maths.rounds(8.6)`

`r_number=Maths.round(8.6)`

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Question No: 19 (Marks: 1) - Please choose one

Which one is the best option for designing a Medical Expert System?

Rule Based System

Genetic Algorithm

Fuzzy Logic

Question No: 20 (Marks: 1) - Please choose one

Variables allow us to manipulate data through the _____.

Actual Value

Reference (Correct)

Length

Name

Question No: 21 (Marks: 1) - Please choose one

Which is correct?

onUnload (Correct) (P.no.245)

onUnLoad

onUNLOAD

All of the above

Question No: 22 (Marks: 1) - Please choose one Capturing events and responding to them is called _____.

Function Handling

Event Handling (Correct)

Event Procedure

All of the given option



Question No: 23 (Marks: 1) - Please choose one

_____ color should be used in background for a good presentation.

Light

Dark (Correct)

Red

None of the given options

Question No: 24 (Marks: 1) - Please choose one

Which of the following symbol is used for multiple line comments in JavaScript?

/

//

/* (Correct)

/**

Question No: 25 (Marks: 1) - Please choose one

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In JavaScript, what will be the result of the following operation

$79\%3$

0

1 (Correct)

2

3

Explanation:- 79 divided by 3 and remainder is 1

Question No: 26 (Marks: 1) - Please choose one

A new cell using HTML is added in table row by

<TC>...</TC>

<TR>...</TR>

<TD>...</TD> (Correct) (P.No.54)

<NC>...</NC>

Question No: 27 (Marks: 1) - Please choose one

TCP stands for _____.

Total communication protocol

Transmission control protocol (Correct)

Transfer control protocol

Transfer collection protocol

Question No: 28 (Marks: 1) - Please choose one

What is NOT a key factor while designing a website?

Usability

User-friendly

Consistency

Question No: 29 (Marks: 1) - Please choose one

It represents the _____ flow chart element.

Process

Input or Output (correct) P.no.105

Decision

Connector

Question No: 30 (Marks: 1) - Please choose one

Vacuum tubes were replaced by _____

Punch cards

Transistors (Correct) P.no.14

Micro Processors

Resistors

Question No: 31 (Marks: 1)

When does recursion occur?

Possible Answer:-

The power of recursion evidently lies in the possibility of defining an infinite set of objects by a finite statement.

Question No: 32 (Marks: 1)

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What are the types of computer network according to the distance between nodes ?

Answer:

There are two types of networks.

LAN (Local Area Network)

WAN (Wide Area Network)

Question No: 33 (Marks: 2)

What is meant by semantic error ?

Answer:

Occur when a statement executes and has an effect not intended by the programmer and Often times occur only in unusual & infrequent circumstances

Question No: 34 (Marks: 2)

List down the names of two array methods available in JavaScript.

Answer:

sort() [sorts elements in alphabetical order]

reverse() [Reverses the order of elements]

Question No: 35 (Marks: 3)

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How can you define a consistent web design? Why is it needed?

Answer:

A consistent good designed website is generated for general public that allows users to attain what they want as quickly as possible without spending much effort.

A consistent good design assists the user in recovering from errors.

Question No: 36 (Marks: 3)

How can we include images in a web page using HTML and Java script?

Answer:

Image in HTML

Image in Javascript

Images in JavaScript can be manipulated in many ways using the built-in object Image. Additional properties to HTML are hspace, vspace & lowsrc.

Example: It can be used by many handlers like, onAbort, onLoad & onError

Question No: 37 (Marks: 3)

The event handler attribute consists of three parts. Write about each of them.

Answer :

The identifier of the event handler

The equal sign

A string statement enclosed in double or single quotes.

Question No: 38 (Marks: 5)

What is a packet in the network environment? What kind of information does it contain?

Answer:

Packet is data chopped up into pieces in a network environment.

These packets contain information about which computer sent the data and where the data is going.

If a packet runs into a problem during its trip, it can attempt to find another route.

When all the packets get where they are going, the recipient computer puts them together again.

Question No: 39 (Marks: 5)

Suppose we have a big project. Draw hierarchy of the people involved in the project?

Answer:

Please ignore small lines relating Sub Teams to subordinates due to shortage of time.

ABCD etc are connected directly to Team Lead 1,2 & 3 accordingly.

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Question No: 40 (Marks: 10)

Write down HTML and JavaScript code for the following requirements:

Declare an Array with the identifier SUBJECT having length 5. Assign following values to the array elements:

Question No: 41 (Marks: 10)

How instant messaging works? Write the steps involved in this process.

Answer:

The Instant Messaging services available allow us to maintain a list of people (contacts) that we interact with regularly. We can send instant messages to any of the contacts in our list as long as that contact is online.

Following steps are involved in IM working.

User commences the IM client.

IM client finds the IM server & logs in.

It launches communication info (IP address, etc) to the IM server.

IM server finds user's contacts & sends him/her the communication info.

IM server also notifies the contacts that the user is online; sends his/her communication info to them.

The user's & the contact's IM clients are ready to communicate directly (P2P).

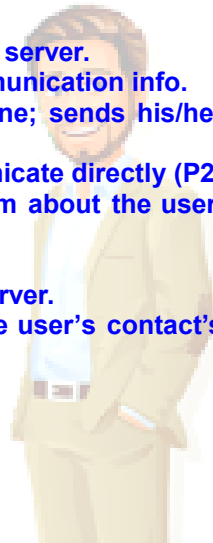
As new contact has come online, IM server informs them about the user being online & vice versa.

Multiple, real-time chat are possible.

When the user logs-off, his/her IM client informs the IM server.

IM server wipes away the temporary file and informs the user's contact's about his/her 'offline' status.

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FINAL TERM EXAMINATION
Spring 2009 Final
CS101- Introduction to Computing (Session - 2)

The transistor is a solid state semiconductor device used for amplification and switching, and has _____ terminals.

one

two

three

four

Question No: 2 (Marks: 1) - Please choose one

Blue Pacific is a name of _____ computer.

Mini

Desktop

Micro

Super

Question No: 3 (Marks: 1) - Please choose one

Monte Carlo algorithm is an example of _____

Randomized algorithm (page.no.102)

Greedy algorithm

both greedy and randomized

Heuristics

Question No: 4 (Marks: 1) - Please choose one

A set of stand alone productivity applications designed to work together known as _____.

Productivity software suites

Compiled software

Secure software

Intelligent software

Question No: 5 (Marks: 1) - Please choose one
The most used form tag is the <input> tag.

True

False

Question No: 6 (Marks: 1) - Please choose one
What is the key feature of computer which is against human nature?
Can't get bored.

Can't get bored.

Pattern recognition

Repetition

None

Question No: 7 (Marks: 1) - Please choose one
_____ was designed as a replacement for typewriter

Spreadsheet Software

Word Processor Software

Presentation Software

Database Software

Question No: 8 (Marks: 1) - Please choose one
Forms can be submitted by using _____ different methods

1

2

3

4

5

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Methods are GET and POST

Question No: 9 (Marks: 1) - Please choose one
To display a checkbox on the web page, we use ____ tag

CHECKBOX

CHECK

INPUT

INPUTBOX

Checkbox is not a tag, input is a tag,

Question No: 10 (Marks: 1) - Please choose one
_____ attribute of FORM tag is used to mention a URL when the form is being

Question No: 11 (Marks: 1) - Please choose one

You can _____ from/to a website containing interactive forms.

Only read

Only write

Read and write

Not read and write

Question No: 12 (Marks: 1) - Please choose one

Using COLSPAN, number of rows of the current cell should extend itself None of the given choices

Upward

Downward (page.no.56)

Both Upward and Downward

None of the given choices

Question No: 13 (Marks: 1) - Please choose one

ASCII WHITE is the fastest Super computer which can perform _____ calculations in one second.

1.3 billion

1.3 trillion

1.3 million

1.3 thousand

Question No: 14 (Marks: 1) - Please choose one

_____ is a related collection of WWW files that includes a beginning file called a homepage

HTML

Website

HTTP

Web page

Question No: 15 (Marks: 1) - Please choose one

If a computer could pass the Turing test then it would be able to:

think like human beings

do the things faster

win a million dollar prize

store more information

Question No: 16 (Marks: 1) - Please choose one

The key strengths of computers are -

Speed

Storage

Do not get bored

All of the given choices

Question No: 17 (Marks: 1) - Please choose one

Compared to vacuum tubes, Transistors offer:

Much smaller size

Better reliability

Much lower cost

All of the given choices

Question No: 18 (Marks: 1) - Please choose one

Which of the following is NOT a component of IC?

Transistors

Diodes

Resistors

Vacuum tubes

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Question No: 19 (Marks: 1) - Please choose one

When we use <INPUT type="password">, what will happen?

Text will not be visible

Text will be in normal format

Text will be in **** format

Text will be in ##### format

Question No: 20 (Marks: 1) - Please choose one

Spread sheet is a type of _ Mathematical software _____.

Productivity software

Engineering software

Mathematical software

Business software

Question No: 21 (Marks: 1) - Please choose one

Word Processor is a _____ Application Software_____

System Software

Application Software

Device

Utility

Question No: 22 (Marks: 1) - Please choose one

_ Utility Program refers to the firmware code which is run by an IBM compatible PC when first powered on.

DOS
BIOS
Utility Program
None of these

Question No: 23 (Marks: 1) - Please choose one

A computer program that facilitates the communication between the computer and a peripheral device is called ____ Language Translator ____

Operating system
Utilities
Language Translator
Device Drives

Question No: 24 (Marks: 1) - Please choose one

In JavaScript, what will be the result of the following operation $79\%3$

0
1
2
3

If we divide 79 by 3, we will get remainder=1

,

Question No: 25 (Marks: 1) - Please choose one

Which of the following number system is used by microprocessor?

Binary
Decimal
Octal
Hexadecimal

Question No: 26 (Marks: 1) - Please choose one

Web site is collection of related ____

Web pages
Information
Search Engines
None of the given choices

Question No: 27 (Marks: 1)

What BIOS stands for? – Binary Input Output System

Question No: 28 (Marks: 1)

List down the Analytical Engine's components name (any two)

Answer : Google & Netscape,

Question No: 29 (Marks: 2)

Why uploading a web page is important? Describe in 2 – 3 lines.

Answer : By only uploading webpage we could place our information in order the other can reach up to ready what we load, upload means make available our data or information for the world web browsers

Question No: 30 (Marks: 3)

What is the difference between microprocessors and microcontrollers? Give one example of both.

Answer : The microprocessor is electronic equipment which can perform several function and also processing of data and information present in a computer, while microcontroller can only perform one function for that its design

Example

Microprocessors _ Pentium 4

Microcontroller _ can be a switch in side the washing machine

Question No: 31 (Marks: 5)

Differentiate uni-Processor OS from Multi-Processor OS.

Answer : The Multiprocessors is when more than one processor is under operation it can be several or may hundreds of the kind to perform one great operation or calculation, while our PC is a kind of uni-processor

Question No: 32 (Marks: 5)

Why do we call JavaScript an Object-based Language?

Answer : Java Script is a language by which we are writing our web-pages, this language is designed to work for web pages

FINAL TERM EXAMINATION

Spring 2009 Final

CS101- Introduction to Computing (Session - 2)

Question No: 1 (Marks: 1) - Please choose one
----- was known as “mill” in Analytical engine.

- Memory
- Processor**
- Monitor
- Mouse

Ref: An arithmetical unit

(the "mill") would be able to perform all four arithmetic operations, plus comparisons and optionally square roots. Initially it was conceived as a difference engine curved back upon itself, in a generally circular layout,^[2] with the long store exiting off to one side.

Question No: 2 (Marks: 1) - Please choose one
First electronic computer was

- ABC (Page No. 14)**
- UNVAC 1
- Harvard Mark 1
- IBM PC

Question No: 3 (Marks: 1) - Please choose one
What is NOT a key factor while designing a website?

- Usability
- User-friendly
- Consistency
- Complexity**

Question No: 4 (Marks: 1) - Please choose one

What happens if I start a new list without closing the original one?

- An error will be generated
- A nested list will be created**
- Previous list will end and a new will start.
- Nothing will happen

Question No: 5 (Marks: 1) - Please choose one

The most upper right pixel of the screen is of _____ color.

- Any**
- Red
- Green
- Blue

Question No: 6 (Marks: 1) - Please choose one

A single pixel can acquire approximately _____ color schemes.

- 1 million
- 2 million
- 10 million

16 million (P.NO.235)

Question No: 7 (Marks: 1) - Please choose one

The idea of Neural Networks field is based upon _____.

- Human nature
- Human brain**
- Human culture
- Human actions

Question No: 8 (Marks: 1) - Please choose one

Which one of the following is an application for artificial intelligence?

- Robotic
- Web Agent
- Decision Support System

All of the given options

Question No: 9 (Marks: 1) - Please choose one

Register is a kind of _____ memory

- Fast**
- Super fast
- Slow
- Very slow

Question No: 10 (Marks: 1) - Please choose one

Which of the following is a true statement?

Flat-file storage is better than tabular storage.

Tabular storage is better than flat-file storage. (Page. No 257)

Flat-file storage is better than relational storage.

None of the given options

Question No: 11 (Marks: 1) - Please choose one

substring(n, m) returns a string containing characters copied from position n to _____.

m - 2

m - 1 (Page.no. 270)

m + 1

m

Question No: 12 (Marks: 1) - Please choose one

The _____ is the old profession which is being eliminated because of computing.

Typist

Bank manager

Operational manager

All of the given options

Question No: 13 (Marks: 1) - Please choose one

The system that manages relational database, is called _____.

None of the given options

Database Management System

Data Management System

Relational Database Management System (page.no.274)

Question No: 14 (Marks: 1) - Please choose one

When web server is busy it gives the following message to the user :

Time out

Waiting

Server busy

None of the given options

Question No: 15 (Marks: 1) - Please choose one

The group of technologies concerned with the capturing, processing and transmission of information in the digital electronic form is called _____.

Information Technology

Computer Engineering

Computer Science

Information Technology (page.no.295)

Question No: 16 (Marks: 1) - Please choose one

_____ team consists on the sharpest technical minds in the company.

Architecture (page.no.300)

Business Development

Configuration Management

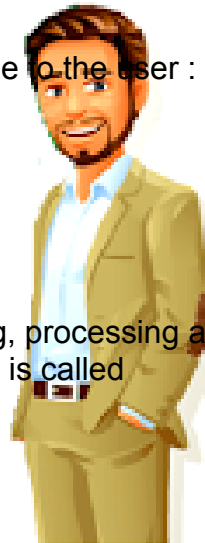
Developer

Question No: 17 (Marks: 1) - Please choose one

TCP stands for _____.

Transfer Center protocol

Transmission Control Protocol (page.no.317)



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Question No: 18 (Marks: 1) - Please choose one

A collection of data organized in such a way that the computer can quickly search for a desired data item is known as :

Retrieving

Database (page.no.321)

Information

DBMS

Question No: 19 (Marks: 1) - Please choose one

Microsoft Word is a type of:

System Software

Freeware Software

Shrink-Wrapped Software (page.no.64)

Custom-built Software

Question No: 20 (Marks: 1) - Please choose one

Users _____, how things work.

Analyze in detail

Muddle through (page.no.170)

Figure out

Read in detail

Question No: 21 (Marks: 1) - Please choose one

Popular schemes used for reducing bytes for storage are:

RGB and Color mapping

RGB and Dithering

RGB, Color mapping and Dithering

Color mapping and Dithering (page.no.235)

Question No: 22 (Marks: 1) - Please choose one

Hardware malfunctions is related to

Data updates

Data integrity (page.no.253)

Data security

Data accessibility

Question No: 23 (Marks: 1) - Please choose one

If incorrectly we enter the negative age it is check by

Limit Integrity (page.no.253)

Type Integrity

Referential Integrity

Physical Integrity

Question No: 24 (Marks: 1) - Please choose one

Which is the user-friendly way of presenting data ?

► Query

Form

Report

All of the given options

Question No: 25 (Marks: 1) - Please choose one

Currently the BlueRay DVD can store more than _____ of data.

10 GB

100 GB

50 GB (page.no.305)

150 GB

Question No: 26 (Marks: 1) - Please choose one

In JavaScript, a || b is interpreted as

a is true or b is false

a is true and b is true

a is false and b is true

a is true or b is true or both are true (page.no.148)

Question No: 27 (Marks: 1) - Please choose one

Speakers fall into the hardware category.

True

False

Question No: 28 (Marks: 1) - Please choose one

onBlur event is occurred for a form element when it _____

Gets focus

Loses focus (page.no.230)

Some thing is typed in

onBlur is not an event

Question No: 29 (Marks: 1) - Please choose one

You can view a 3-D image on a _____.

3-D display

2-D display

On both 2-D and 3-D displays

We can not view a 3-D image

Question No: 30 (Marks: 1) - Please choose one

Module level design and unit testing is the responsibility of _____.

Team Lead

Developer (page.no.298)

Project Manager

Quality Assurance Expert

What is heuristic?

Common sense Lesson drawn from experience (Artificial) Intelligent Systems
SW programs or SW/HW systems designed to perform complex tasks employing strategies that mimic some aspect of human thought

or

a commonsense rule (or set of rules) intended to increase the probability of solving some problem
of or relating to or using a general formulation that serves to guide investigation

Question No: 32 (Marks: 1) In programming, what is an object ?

Object: A named collection of properties (data, state) & methods (instructions, behavior)

Question No: 33 (Marks: 2)

What is spreadsheet? List any two jobs that it can do.

A spreadsheet is a grid that organizes data into columns and rows. Spreadsheets make it easy to display information, and people can insert formulas to work with the data.

Electronic replacement for

ledgers Charts financial-

forecasting

Question No: 34 (Marks: 2)

In JavaScript, what is event handling? What are the two types of events?

Capturing events and responding to them

The system sends events to the program and the program responds to them as they arrive

Events can include things a user does - like clicking the mouse - or things that the system itself does - like updating the clock.

Question No: 35 (Marks: 3)

Explain how many ways businesses monitor their employees?

Systems are available that monitor almost every key stroke that an employee makes on a computer

Systems are available that read and censor all incoming and outgoing eMail

It is quite straight forward to monitor where you surf, and when

Question No: 36 (Marks: 3)

What is difference between Design and System Architecture?

Only the higher level designs are called System Architecture and lower level designs can not be called system Architecture, and we can also say the every Architecture can be called design but every design can not be called Architecture. (For Reference Listen Lecture No.24)

Question No: 37 (Marks: 3)

What are the Sub categories of Artificial Intelligence? Briefly explain any two.

Expert systems

Systems that, in some limited sense, can replace an expert

Robotics

Automatic machines that perform various tasks that were previously done by humans

Example:

Pilot-less combat air planes

Decision Support Systems:

Interactive software designed to improve the decision-making capability of their user

Utilize historical data models to solve problems

Question No: 38 (Marks: 5)

How many ways are there to call a function in a program ? Explain with example

Functions do not run automatically. When the page loads, each function waits quietly until it is told to run

Calling a Function From an Event Handler

An event handler is a command which calls a function when an event happens, such as the user clicking a button.

The command is written in the format **onEvent**, where **Event** is the name for a specific action. Here are some common examples:

Calling a Function From Another Function

```
function doSomething() {  
    doSomethingElse(); // This line calls the next function  
}
```

Question No: 39 (Marks: 5)

Elaborate the '+' operator and its constraints with the help of examples

The "+" String Operator

The "+" operator can be used to concatenate two

strings title = "bhola" + "continental"

The value of the variable title becomes "bholacontinental"

Question No: 40 (Marks: 10)

Write a JavaScript program having two functions sum and mean.

The web page will ask the user to enter five values to be added.

After taking input it will calculate the sum and mean of those values by calling sum and mean functions.

Question No: 41 (Marks: 10)

Define the following terms.

Object

A named collection of properties(data, state) & methods (instructions, behavior)

Event Handler

An event handler is a command which calls a function when an event happens, such as the user clicking a button

Local Variable

Declaring variables (using the var keyword) within a function, makes them local. They are available only within the function and hold no meaning outside of it

Scope of Variable

Defining the space in which a variable is effective is known as defining the scope of a variable. A variable can be either local or global in scope

Array

An indexed list of elements

FINALTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing (Session - 3)

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

First computer network was _____.

NSFNET

FIRSTNET

ARPANET

ORPHANET

Question No: 2 (Marks: 1) - Please choose one

In a good presentation each slide should contain _____.

Heading

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Phrases not sentences

Sentences not phrases

Heading, sentences not phrases

Question No: 3 (Marks: 1) - Please choose one

A function is also called _____.

Sub-program

Procedure

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Sub-routine

All of the given option

Question No: 4 (Marks: 1) - Please choose one

A single pixel can acquire approximately _____ color schemes.

1 million

2 million

10 million

16 million

Question No: 5 (Marks: 1) - Please choose one

Which of the following is NOT a Loop statement?

For

While

Switch

Do-While

Question No: 6 (Marks: 1) - Please choose one

Which one of the following is NOT a component of Rule Based System?

Rule Compiler

Rule Interpreter

Rules Base

Working Memory

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http://vustudents.ning_

Question No: 7 (Marks: 1) - Please choose one

Spread sheet is a type of _____.

Productivity software

Engineering software

Mathematical software

Business software

Question No: 8 (Marks: 1) - Please choose one

A combination of word processing and graphic design is

Corel Draw

Desktop Publishing

Paint

WordPad

Question No: 9 (Marks: 1) - Please choose one

To store rounded number of 8.6 in a variable called "r_number", we write
_____.

`r_numbers=Maths.rounds(8.6)`

`r_number=Math.rounds(8.6)`

`r_number=Math.round(8.6)`

`r_number=Maths.round(8.6)`

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Question No: 10 (Marks: 1) - Please choose one

Which of the following is a true statement?

Flat-file storage is better than tabular storage.

Tabular storage is better than flat-file storage.

Flat-file storage is better than relational storage.

None of the given options

Question No: 11 (Marks: 1) - Please choose one

The political process is also influenced by the use of _____.

Discussion forums

Newsgroups

Mailing lists

► **All of the given options**

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Question No: 12 (Marks: 1) - Please choose one

The system that manages relational database, is called _____.

None of the given options

Database Management System

Data Management System

Relational Database Management System

Question No: 13 (Marks: 1) - Please choose one

_____ DBMS supports data in terabytes.

Personal

Desktop

Enterprise

Single-user

Question No: 14 (Marks: 1) - Please choose one

Trinoo is a _____ software.

DoS

Scanning

Utility

None of the given options

Question No: 15 (Marks: 1) - Please choose one

What is the major problem with flash based website?

Its too heavy

Cannot be indexed

Less attractive

Inaccessible



Question No: 16 (Marks: 1) - Please choose one

The organization is the collection of _____.

Peoples

Professionals

Teams

Individuals

Question No: 17 (Marks: 1) - Please choose one

The tasks performed to determine the existence of defects is called _____

Debugging

Testing

Repairing

Coding

Question No: 18 (Marks: 1) - Please choose one

Many developers write the _____ first and then incrementally convert each line into _____.

Real code & Pseudo code

Pseudo code & Real code

Real code & Artificial code

None of the given options

Question No: 19 (Marks: 1) - Please choose one

Forms can be submitted through _____ & _____ methods

INCLUDE, POST

INCLUDE, GET

GET, POST

SEND, POST

Question No: 20 (Marks: 1) - Please choose one

If an algorithm is syntactically correct, but semantically incorrect then this situation is

Very good situation

Very dangerous situation

Not very bad

Neutral situation

Question No: 21 (Marks: 1) - Please choose one

Heuristics _____ lead to the best results.

Sometimes

Do not

Occasionally

► **Not always**

<http://vustudents.ning>

Question No: 22 (Marks: 1) - Please choose one

In TCPIP communication fragmentation is responsibility of

TCP

IP

Both TCP and IP

Internet

Question No: 23 (Marks: 1) - Please choose one

Access to the internet became easy after the invention of

WWW & Web Browsers

Mainframes

Binary system

Signals

Question No: 24 (Marks: 1) - Please choose one

Which one is the example of spreadsheet software ?

MS Word

MS PowerPoint

MS Excel

MS Access

Question No: 25 (Marks: 1) - Please choose one

User can remotely log on to a computer and can have a control over it like a local user using

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TelNet Protocol

TelNet Protocol and connected to the user through TCP/IP network

TelNet protocol and FTP

TCP/IP and FTP

Question No: 26 (Marks: 1) - Please choose one

If incorrectly we enter the negative age it is check by

Limit Integrity

Type Integrity

Referential Integrity

Physical Integrity

Question No: 27 (Marks: 1) - Please choose one

----- is a digital programmable mechanical machine

Analytical Engine

Difference Engine

Harvard Mark 1

Mechanical engine

Question No: 28 (Marks: 1) - Please choose one

This element of Flow Chart is called_____.

Process

Off page connector

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Decision

Connector

Question No: 29 (Marks: 1) - Please choose one

In a library's database, if there is an entry in the register for Book # 423 then the corresponding Book must actually exist; is an example of which type of data integrity:

Type integrity

Limit integrity

Physical Integrity

Referential Integrity

Question No: 30 (Marks: 1) - Please choose one

Ada is a programming language specifically designed for

Analytical Engine

Difference Engine

Harvard Mark 1

Mechanical engine

Question No: 31 (Marks: 1)

What are the elements of website design? Any one

Question No: 32 (Marks: 1)

What does TCP/IP stand for?

Question No: 33 (Marks: 2)

What is the database?

Question No: 34 (Marks: 2)

What is the use of *Default* keyword in switch structure?

Question No: 35 (Marks: 3)

How can we include images in a web page using HTML and Java script?

Question No: 36 (Marks: 3)

Where "While" loop is more preferable than "For" loop and vice versa ? , explain with the help of example.

Question No: 37 (Marks: 3)

What do you mean by FTP or File Transfer Protocol?

Question No: 38 (Marks: 5)

Differentiate between For and While loop by writing the syntax of both loops.

Question No: 39 (Marks: 5)

Write JavaScript code for the following: <http://vustudents.ning>

Make a function `compareToTen(value)`

Compare the function argument with '10' and display a message whether the value is less than, equal to or greater than 10.

Question No: 40 (Marks: 10)

What is the problem with Relational Database and what solution you can suggest for it?

Question No: 41 (Marks: 10)

Develop a web page that displays six thumbnail images. A main image should change to a larger version of the thumbnail as soon as the mouse moves over a thumbnail image. Write complete HTML and JavaScript code.

FINALTERM EXAMINATION
Fall 2009
CS101- Introduction to Computing

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

Cray-1 was first commercial _____ computer

Super

Mini

Micro

Personal

Question No: 2 (Marks: 1) - Please choose one

To improve the time for scanning a web page, text should be _____.

Centered

Left Aligned

Right Aligned

Staggered

Question No: 3 (Marks: 1) - Please choose one

_____ % of the users have left websites in frustration due to poor navigation.

40

62

83

91

Question No: 4 (Marks: 1) - Please choose one

_____ routes packets through the internet to get them to their destination.

FTP

HTTP

TCP

IP

Question No: 5 (Marks: 1) - Please choose one

A variable can be _____ in scope.

Local

Global

Either local or global

None of the given options

Question No: 6 (Marks: 1) - Please choose one

 tag is used to

underline text

end the line

create ordered list

create unordered list

Question No: 7 (Marks: 1) - Please choose one

The _____ reserved word allows a determined action to be taken if the first condition is false.

For

While

Else

Switch

Question No: 8 (Marks: 1) - Please choose one

Word Processor is a _____

System Software

Application Software

Device

Utility

Question No: 9 (Marks: 1) - Please choose one

Automatic machines performing various tasks that were previously done by humans, are called _____.

Robotics

Computers

Decision Making Systems

Autonomous Web Agents

Question No: 10 (Marks: 1) - Please choose one

In tabular storage, fields placed in a particular row are strongly _____.

Independent

Dependent

Interrelated

Inconsistent

Question No: 11 (Marks: 1) - Please choose one

country="Hello Pakistan";

document.write(country.length);

The out put of the above statement is _____.

12

13

14



Question No: 12 (Marks: 1) - Please choose one

Due to working at home, contact with the colleagues is _____,

which

may result in _____ quality of work

Reduced, Poorer

Reduced, Better

Increased, Poorer

Question No: 13 (Marks: 1) - Please choose one

Spies of one business monitoring the network traffic of their competitors' _____.

- Industrial Intelligence
- Industrial Espionage
- Industrial Spying
- Industrial Surveillance

Question No: 14 (Marks: 1) - Please choose one

Unlike virus, _____ is a stand-alone program.

- Trojan horse
- Logic bomb
- Worm
- Time bomb



Question No: 15 (Marks: 1) - Please choose one

Planning and tracking of the project is the responsibility of the _____.

- Architect
- Team Lead
- Developer
- Chief Executive Officer

Question No: 16 (Marks: 1) - Please choose one

_____ is in Executive team.

Project Manager

CEO

Team Lead

Developer

Question No: 17 (Marks: 1) - Please choose one

_____ team is responsible for the maintenance, expansion , improvement of the infrastructure consisting of workstations, networking equipment, software and network security.

Support

Configuration Management

Quality Assurance

Developer

Question No: 18 (Marks: 1) - Please choose one

Using smart editors they can automatically color different parts of statements in different colors e.g. HTML tags in _____ color.

Green

Grey

Blue

None of the given options

Question No: 19 (Marks: 1) - Please choose one

Structures, in which another list starts before the first list is finished, are called:

Multiple Lists

Nested Lists

Ordered Lists

Un-ordered Lists

Question No: 20 (Marks: 1) - Please choose one

Microsoft Word is a type of:

System Software

Freeware Software

Shrink-Wrapped Software

Custom-built Software

Question No: 21 (Marks: 1) - Please choose one

To display a radio button on the web page, we use ____ tag

INPUTBUTTON

INPUT

RADIOBUTTON

RADIO

Question No: 22 (Marks: 1) - Please choose one

Flow control constructs in JavaScript includes:

If-Else

Loops and If -Else

Switch and If-Else

All of the given choices

Question No: 23 (Marks: 1) - Please choose one

Which is NOT true for JavaScript variable name ?

Student

Roll_no_1111

For

_schedule

Question No: 24 (Marks: 1) - Please choose one

In JavaScript, first element of an array has the index:

1

-1

2

None of the given choices

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Question No: 25 (Marks: 1) - Please choose one

In flat-file databases each record was separated by a special character named :

- Horizontal bar
- Vertical bar
- Text bar
- Character bar

Question No: 26 (Marks: 1) - Please choose one

JavaScript function fixed() has equivalent HTML tag-set _____

- <.FIX></FIX> <F></F>
- <PRE>.....</PRE> <H>.....</H>

Question No: 27 (Marks: 1) - Please choose one

74HC163 has two enable input pins which are _____ and _____

- ENP, ENT
- ENI, ENC
- ENP, ENC
- ENT, ENI

Question No: 28 (Marks: 1) - Please choose one

_____ software directly interacts with the hardware.

Application software

System software

Dynamic software

Distributed software

Question No: 29 (Marks: 1) - Please choose one

From which of the following is NOT a technique through which Security can be improved :

Private or virtual-private networks

Firewalls

Metal detectors

Virus detectors

Question No: 30 (Marks: 1) - Please choose one

```
<script>
Number=new Array(5);
for(var i=1; i<=5 ; i=i+1)
{
    for( var k=6; k<=10; k=k+1)
    {
        Number[i]= k*i;

    }
} </
script>
```

For how many times the Nested For Loop shall execute;

20

15

25

Shall terminate in first loop.

Question No: 31 (Marks: 1)

What does NIC stand for?

Question No: 32 (Marks: 1)

Name any software which can be used to make a presentation.

Question No: 33 (Marks: 2)

How JavaScript Arrays are heterogeneous ?

Question No: 34 (Marks: 2)

What is the database?

Question No: 35 (Marks: 3)

Differentiate between LAN and WAN with one example of each.

Question No: 36 (Marks: 3)

What are Trojan Horses ?

Question No: 37 (Marks: 3)

What do you mean by FTP or File Transfer Protocol?

Question No: 38 (Marks: 5)

In which situation, we use:

- i- switch construct
- ii- multiple If-else construct

Question No: 39 (Marks: 5)

What are the responsibilities and profile of a Team Lead?

Question No: 40 (Marks: 10)

Give any five well-known design heuristics for architectural design.

Question No: 41 (Marks: 10)

Is tabular data storage better than flat file data storage? Justify your answer.

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FINALTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing (Session - 1)

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

A protocol used for receiving email messages is called _____.

URL

Telnet

POP3

SMTP

Question No: 2 (Marks: 1) - Please choose one

The browser breaks down the URL into _____ parts.

2

3

4

5

Question No: 3 (Marks: 1) - Please choose one

Which one of the following is NOT a primary color?

Red

Green

Yellow

Blue

Question No: 4 (Marks: 1) - Please choose one

A combination of word processing and graphic design is

Corel Draw

Desktop Publishing

Paint

WordPad



Question No: 5 (Marks: 1) - Please choose one

Automatic machines performing various tasks that were previously done by humans, are called _____.

Robotics

Computers

Decision Making Systems

Autonomous Web Agents

Question No: 6 (Marks: 1) - Please choose one

_____ can be used for entering, editing, or viewing data, one record at a time.

Queries

Forms

Reports

None of the given options

Question No: 7 (Marks: 1) - Please choose one

random() function returns a randomly-selected, floating-point number between _____.

0 and 1

0 and 10

0 and -10

0 and -1

Question No: 8 (Marks: 1) - Please choose one

When '+' operator is used with string operands, it _____ both strings.

Adds

Subtracts

Concatenates

Compares

Question No: 9 (Marks: 1) - Please choose one

Due to working at home, contact with the colleagues is _____,
which
may result in _____ quality of work

Reduced, Poorer

Reduced, Better

Increased, Poorer

Increased, Better

Question No: 10 (Marks: 1) - Please choose one

What is the 2nd step of DoS attack?

Race

Arm

Search

Attack

Question No: 11 (Marks: 1) - Please choose one

The Information technology has three components _____.

Telecom Engineering, Network Engineering, Computer Science

Telecom Engineering, Computer Engineering, Computer Science

Telecom Engineering, Computer Engineering, Database Engineering

Telecom Engineering, Computer Engineering, Hardware Engineering

Question No: 12 (Marks: 1) - Please choose one

The developer report to _____ in a development team.

Team Lead

Project Manager

CEO

IT Manager

Question No: 13 (Marks: 1) - Please choose one

There are _____ types of errors.

2

3

4

5

Question No: 14 (Marks: 1) - Please choose one

TCP stands for _____.

Transfer Center protocol

Transmission Control Protocol

Transmission Center Protocol

Telephone Center Protocol

Question No: 15 (Marks: 1) - Please choose one

When the packets reach at destination, _____ reassembles them into original message.

Protocol

TCP

IP

NIC

Question No: 16 (Marks: 1) - Please choose one

Which one of these is NOT an example of embedded computers?

IMB PC

Microwave oven

Refrigerator

Calculator

Question No: 17 (Marks: 1) - Please choose one

A _____ translates a high-level language (that is easy to understand for humans) into a language that the computer can understand

Computer

Transistor

Compiler

Device

Question No: 18 (Marks: 1) - Please choose one

_____ is a related collection of WWW files that includes a beginning file called homepage

HTML

Website

HTTP

Web page

Question No: 19 (Marks: 1) - Please choose one

To display a radio button on the web page, we use ____ tag

INPUTBUTTON

INPUT

RADIOBUTTON

RADIO

Question No: 20 (Marks: 1) - Please choose one

Randomized algorithms are often _____ than deterministic algorithms for the same problem.

Simpler and more slow

Simpler and more efficient

Complex and more efficient

Complex and more slow

Question No: 21 (Marks: 1) - Please choose one

Flow control constructs in JavaScript includes:

If-Else

Loops and If -Else Switch and If-Else

All of the given choices

Question No: 22 (Marks: 1) - Please choose one

is also known as System Architecture

High level system design

Low level system design

Every system design

Software Requirement

Question No: 23 (Marks: 1) - Please choose one

Functions are also called:

Heuristics Variables

Arrays **Subprograms**

Question No: 24 (Marks: 1) - Please choose one

Which event handler executes the specified JavaScript code when a window/form element loses focus ?

onBlur

onLoad

onUnload

onFocus

Question No: 25 (Marks: 1) - Please choose one

User can remotely log on to a computer and can have a control over it like a local user using

TelNet Protocol

TelNet Protocol and connected to the user through TCP/IP network

TelNet protocol and FTP

TCP/IP and FTP

Question No: 26 (Marks: 1) - Please choose one

_____ is the process of analyzing large databases to identify patterns.

Data normalization

Data management

Data Mining

None of the given options

Question No: 27 (Marks: 1) - Please choose one

_____ are powerful pieces of hardware, but not much useful on their own.

Microcontrollers

Microprocessors

Integrated circuits

Ports

Question No: 28 (Marks: 1) - Please choose one

You can view a 3-D image on a _____.

3-D display

2-D display

On both 2-D and 3-D displays

We can not view a 3-D image

Question No: 29 (Marks: 1) - Please choose one

From which of the following is NOT a technique through which Security can be improved :

Private or virtual-private networks

Firewalls

Metal detectors

Virus detectors

Question No: 30 (Marks: 1) - Please choose one

In a library's database, if there is an entry in the register for Book # 423 then the corresponding Book must actually exist; is an example of which type of data integrity:

Type integrity

Limit integrity

Physical Integrity

Referential Integrity

Question No: 31 (Marks: 1)

What does NIC stand for?

Answer: Network Interface Cards.

Question No: 32 (Marks: 1)

Why there is a need to use primary key in database ?

Answer: Primary Key is a field that uniquely identifies each record stored in a table.

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Question No: 33 (Marks: 2)

What is internet?

Question No: 34 (Marks: 2)

What is the database?

Question No: 35 (Marks: 3)

The event handler attribute consists of three parts. Write about each of them.

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Question No: 36 (Marks: 3)

Where "While" loop is more preferable than "For" loop and vice versa ? , explain with the help of example.

Question No: 37 (Marks: 3)

Write JavaScript code to convert the number 236.2363611111556 into currency format and JavaScript statement to show output.

Question No: 38 (Marks: 5)

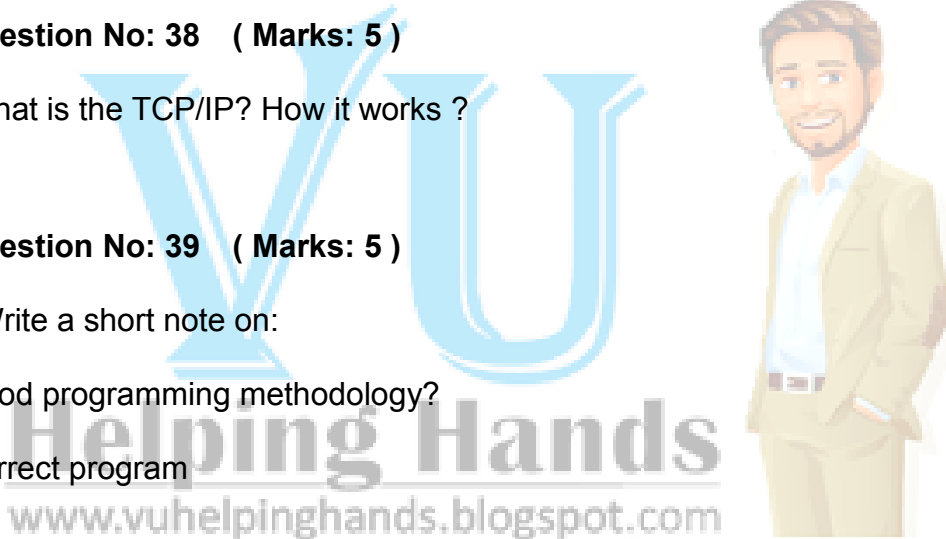
What is the TCP/IP? How it works ?

Question No: 39 (Marks: 5)

Write a short note on:

Good programming methodology?

Correct program



Question No: 40 (Marks: 10)

Write down JavaScript functions that is equivalent to the following HTML code?

HTML code	
	
...	
	
	
...	
	
<PRE> ... </PRE>	
 ... 	
<BIG> ... </BIG>	
<SMALL> ... </SMALL>	
_{...}	
^{...}	
 ... 	
<I> ... </I>	

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Question No: 41 (Marks: 10)

What are other virus like programs?

FINALTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing (Session - 1)

Question No: 1 (Marks: 1) - Please choose one

Cray-1 was first commercial _____ computer

Super

Mini

Micro

Personal

Question No: 2 (Marks: 1) - Please choose one

The name of first browser was _____

Internet Explorer

Moziac

Netscape

Firefox

Question No: 3 (Marks: 1) - Please choose one

The impact of a digit in a number is determined by its -----

► Value

► Location

► Length

► None of above

Question No: 4 (Marks: 1) - Please choose one

First computer network was _____.

NSFNET

FIRSTNET

ARPANET

ORPHANET

Question No: 5 (Marks: 1) - Please choose one

A variable can be _____ in scope.

Local

Global

Either local or global

None of the given options

Question No: 6 (Marks: 1) - Please choose one

_____ color should be used in background for a good presentation.

Light

Dark

Red

None of the given options

Question No: 7 (Marks: 1) - Please choose one

Which one of the following is not an event handler's attribute?

Function

Identifier

String consisting of JavaScript statements

Question No: 8 (Marks: 1) - Please choose one

Variables allow us to manipulate data through the _____

Actual Value

Reference

Length

Name

Question No: 9 (Marks: 1) - Please choose one

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Which one of the following is NOT a component of Rule Based System?

Rule Compiler

Rule Interpreter

Rules Base

Working Memory

Question No: 10 (Marks: 1) - Please choose one

Fuzzy logic is based on _____.

Ground facts

Experience

Practice

Approximation

Question No: 11 (Marks: 1) - Please choose one

$a = \text{Math.ceil}(12.01)$

What will be the value of a ?

12

13
Helping Hands
12.0
www.vuhelpinghands.blogspot.com
13.01



Question No: 12 (Marks: 1) - Please choose one

Tag used to make a Text Bold is _____

<BOLD></BOLD>

<BODY></BODY>

None of these

Question No: 13 (Marks: 1) - Please choose one

<P> </P> and
 tags are not same because

<p></p> goes to the next line

 goes to the next after next line

<P></P> goes to the next after next line

Both are same

Question No: 14 (Marks: 1) - Please choose one

Event handlers are placed in the _____ portion of a Web page as attributes in HTML tags.

HEAD

BODY

SCRIPT

TITLE

Question No: 15 (Marks: 1) - Please choose one

Due to working at home, lack of interaction may result in professional growth.

Slower

Faster

Higher

Question No: 16 (Marks: 1) - Please choose one

_____ DBMS supports data in terabytes.

Personal

Desktop

Enterprise

Single-user

Question No: 17 (Marks: 1) - Please choose one

_____ waits for some time and then launch a function.

Timeout()

setTimeout()

setTime()

setTimeIn()

Question No: 18 (Marks: 1) - Please choose one

The responsibilities of the Team Lead includes_____.

Planning and tracking of the project

Detailed design

Professional development of team members

All of the given options

Question No: 19 (Marks: 1) - Please choose one

_____ is also known as System Architecture

High level system design

Low level system design

Every system design

Software Requirement

Question No: 20 (Marks: 1) - Please choose one

The key property of the 'Array' object in JavaScript is

Value

Length

Name

All of the given choices

Question No: 21 (Marks: 1) - Please choose one

There are _____ ways of calling functions.

One

Two

Three

Four

Question No: 22 (Marks: 1) - Please choose one

Which event handler executes the specified JavaScript code when a window/form element loses focus ?

onBlur

onLoad

onUnload

onFocus

Question No: 23 (Marks: 1) - Please choose one

Popular schemes used for reducing bytes for storage are:

RGB and Color mapping

RGB and Dithering

RGB, Color mapping and Dithering

Color mapping and Dithering

Question No: 24 (Marks: 1) - Please choose one

Hardware malfunctions is related to

Data updates

Data integrity

Data security

Data accessibility

Question No: 25 (Marks: 1) - Please choose one

Users communicate with the computer using a consistent user interface provided by the OS.

True

False

Question No: 26 (Marks: 1) - Please choose one

Extension for saving web page is / are;

***.html**

*.htm

*.html and *.htm both are in use

None of These

Question No: 27 (Marks: 1) - Please choose one

_____ loop is a flow control statement that allows code to be executed repeatedly based on a given Boolean condition.

For

Do-While

If-else

While

Question No: 28 (Marks: 1) - Please choose one

onBlur event is occurred for a form element when it _____

Gets focus

Loses focus

Some thing is typed in

onBlur is not an event

Question No: 29 (Marks: 1) - Please choose one

```
<script> Number=new  
Array(5); for(var i=1;  
i<=5 ; i=i+1)  
{  
    for( var k=6; k<=10; k=k+1)  
    {  
        Number[i]= k*i;  
    }  
}  
</script>
```

For how many times the Nested For Loop shall execute;

20

15

Shall terminate in first loop.

Question No: 30 (Marks: 1) - Please choose one

In JavaScript: In order to display the text on browser **Grade A**, which of following statement is True.

`documentwrite("Grade A")`

`document.write("Grade A");`

`document.write("Grade" && "A");`

Question No: 31 (Marks: 1)

In programming, what is an object ?

Answer: It is a named collection of properties and methods.

Question No: 32 (Marks: 1)

What kind of information can be stored in a data as?

Answer: www.vuhelpinghands.blogspot.com

It can stored numbers, booleans, sound, video, images etc.

Question No: 33 (Marks: 2)

Define the key weakness of the

web? Answer:

Initially web was designed only for humans to read not for computers to understand it.

Question No: 34 (Marks: 2)

How many iterations would this 'for' loop run for?

```
for ( x = 50 ; x < 0 ; x = x - 1 ) {  
document.write ( x );  
}
```

Answer:

50 iterations

Question No: 35 (Marks: 3)

How can we define a Pixel?

Answer:

It is the smallest element of image which is spread with regular array on display and each element consist of particular color.

Question No: 36 (Marks: 3)

Write JavaScript code to convert the number 236.2363611111556 into currency format and JavaScript statement to show output.

Question No: 37 (Marks: 3)

Write code in JavaScript to display the odd numbers between 20 to 100 using **FOR** statement.

Note: No need to write whole HTML program. Just JavaScript code of require part is require.

Question No: 38 (Marks: 5)

How marketing strategies are changed with the progress in computing? How new marketing strategies are implemented?

Answer:

Marketing Strategy Changes with the new requirements of the modern era and the applications of the business. The web has changed marketing strategy from a mass focus to single person focus. We collected data and analyze accordingly to find out the behavior of the market and end users. In new marketing more advertising is being done through email and web and get feedback.

Question No: 39 (Marks: 5)

<script>

Number = new Array(5);

for(var i=1; i<=5 ; i=i+1)

{
Number[i]= abc*i;

}

Number.reverse();

for(j=0;j<5;j=j+1)

{
**document.write(" "+Number[j]+"
");**
} </
script>

What should be output of above code?
Explain the highlighted lines of code?

Question No: 40 (Marks: 10)

Write a brief note on each of the following.

FTP
Telnet
Instant messaging
VoIP

FTP: File Transfer Protocol: This protocol is used to upload and download the files on remote computers.

Telnet: FTP allows file operations only while Telnet can log on to a computer of other users through TCP/IP network and use like a local user, it help in testing of remote web server.

Instant Messaging: This is the service of messaging provided on the internet like MSN messenger, Yahoo messenger, through which we interact people randomly whenever required.

VoIP: Voice over IP, It is used to transmit the voice from one IP to another IP, In which voice is first broken down and then transmitted over a network.

Question No: 41 (Marks: 10)

What are Commonsense Guidelines to avoid viruses? Discuss about Antivirus as well

Answer:

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Commonsense Guidelines to avoid viruses are as follows:

Do not open attachment of unwanted emails.

Don't used copied/pirated Softwares

Regularly place data somewhere as backup

Use Registered and Trusted Softwares only.

Install Antivirous in the system

Update your Windows and softwares with the passage of time.

Scan before using any external device with your system as USB Device.

Antivirus:

This is the software design for preventing your system from harmful effects and maintain the speed of computer. These softwares are available on the CD's and DVD's. These softwares continuously monitor the systems and aware when any harmful virus is detected and asked for the further operations. Some automatically remove the viruses from the system.



FINALTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing (Session - 2)

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

Human are better than computers at:

Efficiency

Accuracy

Pattern recognition

None of the given choices

Question No: 2 (Marks: 1) - Please choose one

TCP stands for _____.

Total communication protocol

Transmission control protocol

Transfer control protocol

Transfer collection protocol



Question No: 3 (Marks: 1) - Please choose one

First computer network was _____.

NSFNET

FIRSTNET

ARPANET

ORPHANET

Question No: 4 (Marks: 1) - Please choose one

A user may access any item on the web through _____.

URL

Telnet

POP

SMTP

Question No: 5 (Marks: 1) - Please choose one

In JavaScript, a variable declaration is

Optional

Mandatory

Not allowed

None of the given

Question No: 6 (Marks: 1) - Please choose one

According to a popular heuristic, success is defined by _____.

The user

The builder

Both user and builder

None of the given options

Question No: 7 (Marks: 1) - Please choose one

To store rounded number of 8.6 in a variable called "r_number", we write _____.

r_numbers=Maths.rounds(8.6)

r_number=Math.rounds(8.6)

r_number=Math.round(8.6)

r_number=Maths.round(8.6)

Question No: 8 (Marks: 1) - Please choose one

random() function returns a randomly-selected, floating-point number between _____.

0 and 1

0 and 10

0 and -10

0 and -1

Question No: 9 (Marks: 1) - Please choose one

Trinoo is a _____ software.

DoS

Scanning

Utility

None of the given options

Question No: 10 (Marks: 1) - Please choose one

Which attribute of the IMG tag tells us about the source of the image
_____.

source

path

loc

src

Question No: 11 (Marks: 1) - Please choose one

The developer report to _____ in a development team.

Team Lead

Project Manager

CEO

IT Manager

Question No: 12 (Marks: 1) - Please choose one

The effective way not to only write programs but also it works properly and further more to minimize the time and the development cost of the program is called_____

Programming Mechanism

Programming Methodology

Programming Synchronization

None of the given options

Question No: 13 (Marks: 1) - Please choose one

TCP stands for _____.

Transfer Center protocol

Transmission Control Protocol

Transmission Center Protocol

Telephone Center Protocol

Question No: 14 (Marks: 1) - Please choose one

When we buy a software package, we do not really buy it, we just by a license that allows us to use it, the _____stays with the maker.

Agreement

Ownership

Membership

Software

Question No: 15 (Marks: 1) - Please choose one

Many developers write the _____ first and then incrementally convert each line into _____.

Real code & Pseudo code

Pseudo code & Real code

Real code & Artificial code

None of the given options

Question No: 16 (Marks: 1) - Please choose one

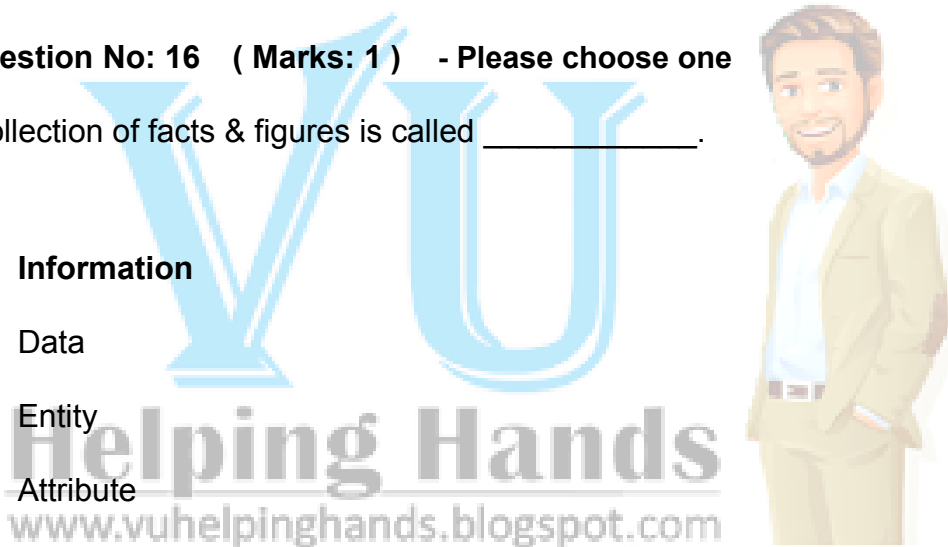
Collection of facts & figures is called _____.

Information

Data

Entity

Attribute



Question No: 17 (Marks: 1) - Please choose one

A collection of data organized in such a way that the computer can quickly search for a desired data item is known as :

Retrieving

Database

Information

DBMS

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Question No: 18 (Marks: 1) - Please choose one

To start an ordered list from 20 instead of 1, we will write

<OL begin = "20">

<OL initiate = "20">

<OL start = "20">

<OL from = "20">

Question No: 19 (Marks: 1) - Please choose one

Using COLSPAN, number of rows of the current cell should extend itself

Upward

Downward

Both Upward and Downward

None of the given choices

Question No: 20 (Marks: 1) - Please choose one

Microsoft Word is a type of:

System Software

Freeware Software

Shrink-Wrapped Software

Custom-built Software

Question No: 21 (Marks: 1) - Please choose one

Compound Statement after decision constructs in JavaScript is enclosed with

`()[]{}; {}`

Question No: 22 (Marks: 1) - Please choose one

Users _____, how things work.

Analyze in detail

Muddle through

Figure out

Read in detail

Question No: 23 (Marks: 1) - Please choose one

One can send an email message to a remote computer using _____ protocol

HTTP

SMTP

FTP

TELNET

Question No: 24 (Marks: 1) - Please choose one

Writing a response, multiple statements are separated from each other with the help of

Period (.)

Comma (,)

Colon (:)

Semicolon (;)

Question No: 25 (Marks: 1) - Please choose one

With the passage of time the field of Computing and Telecommunication is

Diverging

Converging

Becoming different

Becoming unique

Question No: 26 (Marks: 1) - Please choose one

When we have to show value as part of a whole picture, which type of chart is used.

Bar chart

Pie chart

Line graph

None of the given

Question No: 27 (Marks: 1) - Please choose one

_____ software directly interacts with the user.

Application software

System software

Anonymous software

Interactive software

Question No: 28 (Marks: 1) - Please choose one

Global variables can make the logic of a web page.

Difficult to understand

Easier to understand and maintain

Difficult to reuse and maintain

Difficult to understand, reuse and maintain

Question No: 29 (Marks: 1) - Please choose one

In partitioning of program/module, it should be assured that partitioned chunks should be as _____ as possible.

Dependent

Independent

Complex

All of the above



Question No: 30 (Marks: 1) - Please choose one

```
for(var i=1; i<=2;i=i+1)
{
document.write( "Sorted Words:" + "<BR>" )
}
```

Which of the following shall be the output of above code:

Sorted Words: Sorted Words:

Sorted Words:
Sorted Words:

► Sorted Words: "
"

Sorted Words: "
"

► Sorted Words:

Sorted Words:

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Question No: 31 (Marks: 1)

What are the elements of website design? Any one

Ans:

Elements of webdesign: There are in 3 elements of web design and below are there names:

Navigation scheme
Overall look and feel
Layout of information

Question No: 32 (Marks: 1)

What kind of information can be stored in a database ?

Numbers, Booleans, text
Sounds
Images
Video

Question No: 33 (Marks: 2)

Why hub is used in networks?

HUB: Hub is networking component which can be used to connect the networks and it can also be used to extend the size of networks.

Simply it can be explained as a common connection point for devices in a network. It contains multiple ports like 8port, 16 port , 23 port hubs

Question No: 34 (Marks: 2)

Write names of the DoS attack's phases?

DoS (Denial of service): DoS attack has in total 3 phases and below they are listed:

Search

Arm

Attack

Question No: 35 (Marks: 3)

What do you mean by FTP or File Transfer Protocol?

FTP: File transfer protocol was first introduced in 1973; it standardized the transfer of files between computers on a TCP/IP network (e.g internet).

It can download or upload files to a remote computer using the FTP protocol

Operations performed using FTP:

List, change, create folders on a remote computer
Upload and download files

Usage: Transferring Web content from the developer's PC to the Web server

Question No: 36 (Marks: 3)

How many types of errors can be found during a program development? List them.

Syntax errors
Semantic errors
Run-time errors

Question No: 37 (Marks: 3)

Write code in JavaScript to display the odd numbers between 20 to 100 using **FOR** statement.

Note: No need to write whole HTML program. Just JavaScript code of require part is require.

Question No: 38 (Marks: 5)

Why the number of temporary workers are on the rise? Discuss main reasons?

Temporary workers:

Temporary workers are those workers which a company can hire to perform a certain task with in a defined time period.

Temporary workers are mostly consultants which move organization to organization to perform assigned workers.

Reasons:

Now-a-days; whole world is suffering from financial crisis, most of the companies have frozen there hiring, just in case they need a resource they are looking for a temporary worker for a specified time span to perform a specialized task and they just pay him for that period of time.

Temporary workers are mostly consultants which have expertise in a certain field and they are considered specialists in that field.

Employer doesn't need to train the temporary worker.

Question No: 39 (Marks: 5)

Write the JavaScript code for the Function SumOddNumbers(maxNumber) that can add non-negative odd numbers up to maxNumber and return their sum.

Java Script Code:

Question No: 40 (Marks: 10)

Define network organization? What are important features of network organization? (4+6)

Network Organization :

Network organization is an interfirm organization that is characterized by organic or informal social systems. A company or group of companies that has a minimum of formal structures and relies instead on the formation and dissolution of teams to meet specific objectives..

Features of Network Organization:

The organizations are learning that business can be done in a more effective manner if emphasis is placed upon cooperation, shared responsibility and networking:

Within the organization

And also with their customers and suppliers

Changes according to the demand of the times

Works effectively to meet the business goals of the organization

Everyone has a feeling that he/she is playing a major role in the organization which eventually gives a feel of ownership and because of that employee can put his best effort to accomplish a task.

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Question No: 41 (Marks: 10)

Answer the following questions by looking at the code given below.

1- Which alert box will be displayed if variable 'marks' has value 75?

Ans: alert("Above average performance");

2- What is the range of the marks when the alert box displays the message "Average performance"?

Ans: else if (marks > 50 && marks < 60)

```
{  
  
    alert("Average performance");  
  
}
```

3- What is the range of the marks when the alert box displays the message "That's poor performance"?

Ans: The below mentioned alert box is displayed for all the marks less than or equal to 50

```
else  
{  
    alert("That's poor performance");  
}
```



4- Which alert box will be displayed if variable 'marks' has the value 100?

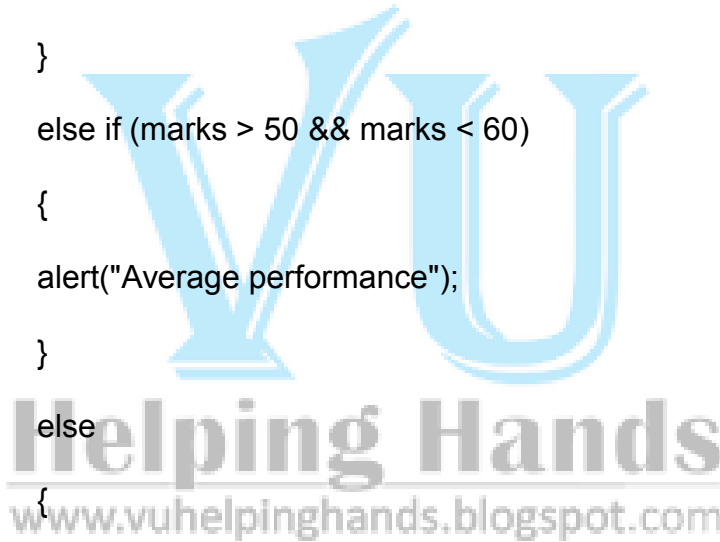
Ans: {

 alert("You've touched a century");

}

```
if (marks == 100)  
{  
    alert("You've touched a century");  
}
```

```
}  
else if (marks >= 80 && marks < 100)  
{  
    alert("That's good");  
}  
else if (marks >= 60 && marks < 80)  
{  
    alert("Above average performance");  
}  
else if (marks > 50 && marks < 60)  
{  
    alert("Average performance");  
}  
else  
{  
    alert("That's poor performance");  
}
```



FINAL TERM EXAMINATION

Fall 2009

CS101- Introduction to Computing

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

Navigation should remain _____.

Consistent

Conflicting

Contradictory

Unpredictable

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Question No: 2 (Marks: 1) - Please choose one

_____ is a container that holds a value.

Identifier

Variable

Function

Constant

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Question No: 3 (Marks: 1) - Please choose one

A variable can be _____ in scope.

Local

Global

Either local or global

None of the given options

Question No: 4 (Marks: 1) - Please choose one

In a good presentation each slide should contain _____.

Heading

Phrases not sentences

Sentences not phrases

Heading, sentences not phrases

Question No: 5 (Marks: 1) - Please choose one

The most upper right pixel of the screen is of _____ color.

Any

Red

Green

Blue

Question No: 6 (Marks: 1) - Please choose one

Which of the following data types are recognized by JavaScript?

- Strings
- Numbers
- Undefined
- All of the given options

Question No: 7 (Marks: 1) - Please choose one

Which of the following is NOT an Operating System?

- DOS
- Windows XP
- Linux
- Mainframe



Question No: 8 (Marks: 1) - Please choose one

WYSIWYG stands for

- What you say is what you get

What you say is what you get

Where you see is where you go

What you see is what you get

When you see is when you ge

Question No: 9 (Marks: 1) - Please choose one

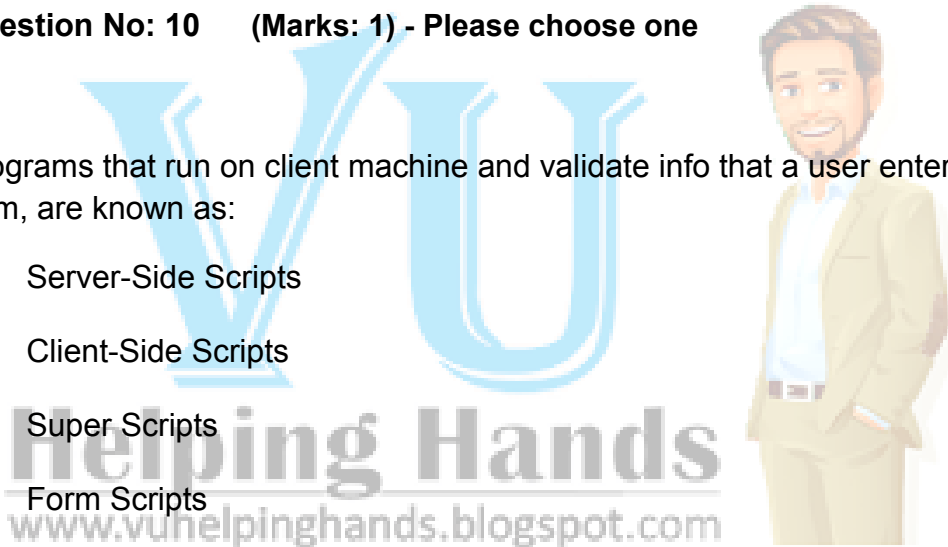
_____ are those programs in which the flow of the program is determined by the user's actions (mouse clicks, key presses) or messages from other programs.

- Event called programs
- Event processed programs
- Event driven programs
- Event declared programs

Question No: 10 (Marks: 1) - Please choose one

Programs that run on client machine and validate info that a user enters in a form, are known as:

- Server-Side Scripts
- Client-Side Scripts
- Super Scripts
- Form Scripts



Question No: 11 (Marks: 1) - Please choose one

By default in a web page Hyper Link for another web page is represented as

- Blue only
- Black and Underlined
- Blue and Bold
- Blue and Underlined

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Question No: 12 (Marks: 1) - Please choose one

random () function returns a randomly-selected, floating-point number between _____.

0 and 1

0 and 10

0 and -10

0 and -1

Question No: 13 (Marks: 1) - Please choose one

country="Hello Pakistan";

document.write(country.length);

The output of the above statement is _____.

12

13

14

15



Question No: 14 (Marks: 1) - Please choose one

The document.write() method expects _____ as its argument.

Integer

Float

String

Boolean

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Question No: 15 (Marks: 1) - Please choose one

The political process is also influenced by the use of _____.

Discussion forums

Newsgroups

Mailing lists

All of the given options

Question No: 16 (Marks: 1) - Please choose one

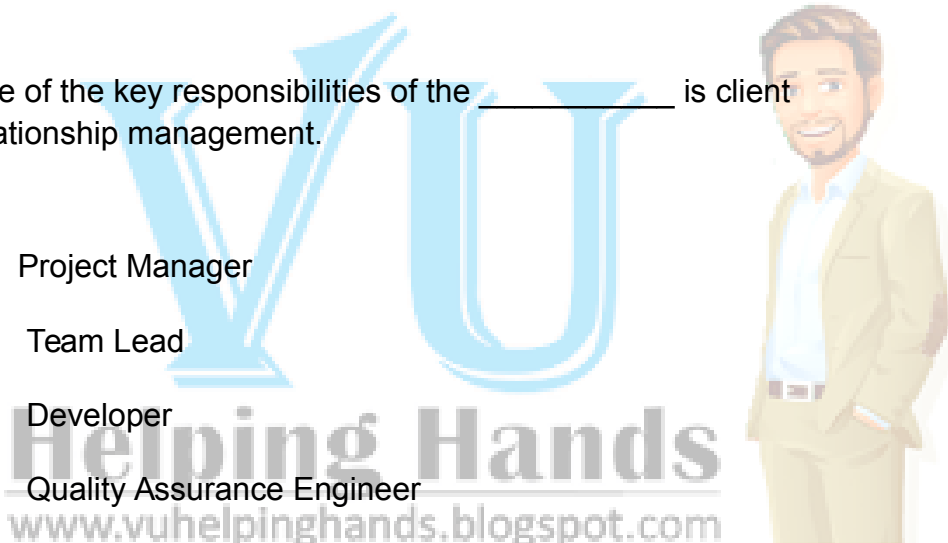
One of the key responsibilities of the _____ is client relationship management.

Project Manager

Team Lead

Developer

Quality Assurance Engineer



Question No: 17 (Marks: 1) - Please choose one

The group of technologies concerned with the capturing, processing and transmission of information in the digital electronic form is called _____.

Telecom Engineering

Computer Engineering

Computer Science

Information

Technology

Question No: 18 (Marks: 1) - Please choose one

The key responsibilities of the architect of the project is_____.

Technology selection

High-level design

Makes certain that the implementation remains true to the design

All of the given options

Question No: 19 (Marks: 1) - Please choose one

_____ has great PR skills.

Architect

Team Lead

Project Manager

Chief Executive Officer

Question No: 20 (Marks: 1) - Please choose one

Name, Border, Source are the _____ of the image object.

Event Handler

Properties

Methods

None of the given options

Question No: 21 (Marks: 1) - Please choose one

onAbort , onError are the _____ of the image object.

Event Handler

Properties

Methods

None of the given options

Question No: 22 (Marks: 1) - Please choose one

Many developers write the _____ first and then incrementally convert each line into _____.

Real code & Pseudo code

Pseudo code & Real code

Real code & Artificial code

None of the given options

Question No: 23 (Marks: 1) - Please choose one

Collection of facts & figures is called _____.

Information

Data

Entity

Attribute

Question No: 24 (Marks: 1) - Please choose one

_____ is a related collection of WWW files that includes a beginning file called a homepage

HTML

Website

HTTP

Web page

Question No: 25 (Marks: 1) - Please choose one

_____ are the computers that perform at or near the currently highest operational rate for computers.

Minicomputers

Microcomputers

Supercomputers

Personal Computers

Question No: 26 (Marks: 1) - Please choose one

Bit-mapped graphics is also known as _____ graphics

Vector

Raster

Scalar

Simple

Question No: 27 (Marks: 1) - Please choose one

Which event handler executes the specified JavaScript code when a window/form element receives focus?

- onBlur
- onLoad
- onUnload
- onFocus

Question No: 28 (Marks: 1) - Please choose one

Which function returns a randomly selected floating point number between 0 and 1?

- floor(x)
- ceil(x)
- random()
- round(x)

Question No: 29 (Marks: 1) - Please choose one

The Encryption of data is related to

- Data updates
- Data security
- Data integrity
- Data accessibility

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Question No: 30 (Marks: 1) - Please choose one

In JavaScript: In order to display the text on browser **Grade A**, which of following statement is True.

`documentwrite("Grade A")`

`document.write("Grade A");`

`document.write("Grade" && A");`

Question No: 31 (Marks: 1)

Does JavaScript provide any built-in method for image manipulation?

Question No: 32 (Marks: 1)

What are Local Function Level variables?

Question No: 33 (Marks: 2)

What is a function? Give one example.

Question No: 34 (Marks: 2)

What is the Data Normalization? Also define its goal.

Data normalization is to sort out complex data into simple form. It uses to simplify the complex information to make it more user-friendly.

Question No: 35 (Marks: 3)

What is the preferred organizational structure for the organization?

Preferred Organizational Structure for organization is hierarchal. Where there is different departments interconnected with each other and are been divided according to the functions they perform.

Question No: 36 (Marks: 3)

Differentiate Local and Global Variables.

Local variables are the variables have limited scope while global have bigger scope

Local variables are not accessed by others while global is accessible to every one

Local variable used by single user while global variable can be used by different users at time from all around.

Question No: 37 (Marks: 3)

Elaborate Vector or Object oriented graphics with at least one example.

Object Oriented Graphics are the graphics which are generally oriented towards the objects and have good quality to portray objects these graphics are object oriented and use in animation, games and movies as well.

Question No: 38 (Marks: 5)

How DoS attack is a cyber crime? For what cyber crime can be used?

DoS stands for Decline of Service and it is a cyber crime as it jams and in some cases shut down the targeted computer by sending too much unnecessary data packets to it which ultimately exceeds the normal processing eventually results the computer or server to stuck and unable to provide services to others. It can be used to destroy the fame and diminishing of no of users requesting information and services from that particular server or computer.

Question No: 39 (Marks: 5)

Write HTML and JavaScript code that displays a textbox and button on a web page. When user enters text in the text box and click the button it displays that text in the message box.

Question No: 40 (Marks: 10)

Write code for the following screen shot. The text field should not accept any other name except "CS101". On wrong entry it should give you a message as soon as you leave the text box.



Write a note on each of the following:

Vector or Object-Oriented Graphics: b.



FINALTERM EXAMINATION
Fall 2009
CS101- Introduction to Computing (Session - 1)

Time: 120 min
Marks: 75

Question No: 1 (Marks: 1) - Please choose one
Vacuum tubes were replaced by _ ► Transistors

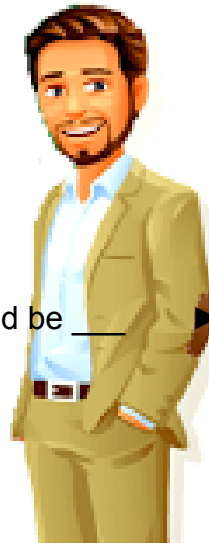
- Punch cards
- Transistors**
- Micro Processors
- Resistors

Question No: 2 (Marks: 1) - Please choose one
First electronic computer was ► ABC

- **ABC**
- UNVAC 1
- Harvard Mark 1
- IBM PC

Question No: 3 (Marks: 1) - Please choose one
To improve the time for scanning a web page, text should be _____ ►
Centered

Centered
Left Aligned
Right Aligned
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Staggered

Question No: 4 (Marks: 1) - Please choose one
JavaScript does not support_ ► **Graphics** _____

- User interaction
- Graphics**
- Network operations
- Both Graphics and Network operations

Question No: 5 (Marks: 1) - Please choose one ►
Identifier
_____ is a container that holds a value.
Identifier
Variable

Question No: 6 (Marks: 1) - Please choose one

The default bullet for the list in HTML is ► **Circle shape**

Circle shape

Disc shape

Square shape

Triangle shape

► **16 million**

_____ color schemes.

► 1 million

► 2 million

► 10 million

► **16 million**

Question No: 8 (Marks: 1) - Please choose one

According to a popular heuristic, success is defined by _ ► **The user**

► **The user**

► The builder

► Both user and builder

None of the given options

Question No: 9 (Marks: 1) - Please choose one

Which one of the following is NOT a component of Rule Based System? **Rule Compiler**

Rule Compiler

Rule Interpreter

Rules Base

Working Memory

Question No: 10 (Marks: 1) - Please choose one

► **Event processed programs** _____ are those programs in which the flow of the program is determined by the user's actions (mouse clicks, key presses) or messages from other programs.

Event called programs

Event processed programs

Event driven programs

Event declared programs

Question No: 11 (Marks: 1) - Please choose one

The ► **Control unit**

_____ is connected to all other modules of the microprocessor.

Control unit

Memory unit

Floating Point unit

Arithmetic and Logic unit

Question No: 12 (Marks: 1) - Please choose one

Which of the followings is NOT a Relational DBMS software. ► **FrontPage**

Access

FrontPage

FileMaker Pro

SQL Server

Question No: 13 (Marks: 1) - Please choose one

random() function returns a randomly-selected, floating-point number between
0 and 1 _____.

0 and 1

0 and 10

0 and -10

0 and -1

Question No: 14 (Marks: 1) - Please choose one

► **Network** _____

_____ organization is replacing the old-style layered, tree-structured
organizational model.

Network

Hierarchical

Matrix

None of the given options

Question No: 15 (Marks: 1) - Please choose one

The _ ► **Typist** _____ is the old profession which is being eliminated
because of computing.

► **Typist**

Bank manager

► Easy communication

All of the given options

Online interactive contents

Flexibility

All of the given options

Question No: 17 (Marks: 1) - Please choose one

What is the 2nd step of DoS attack? ► **Search**

Race

Arm

Search

Attack

Question No: 18 (Marks: 1) - Please choose one

The _ ► **Network paradigm**

_____ is becoming the preferred organizational structure for more and more organizations with the passage of time.

Tree structured organizational model

Network paradigm

Hierarchical structure

None of the given options

Question No: 19 (Marks: 1) - Please choose one _

► **TCP**

_____ routes the packets through the internet to go to their destination.

Protocol

TCP

IP

NIC

Question No: 20 (Marks: 1) - Please choose one

Many developers write the ► **Pseudo code** _____ first and then incrementally convert each line into **Real code** _____.

Real code & Pseudo code

Pseudo code & Real code

Real code & Artificial code

None of the given options

Question No: 21 (Marks: 1) - Please choose one

Processed data is called _
Information

Information

Data
Entity
Attribute

Question No: 22 (Marks: 1) - Please choose one

In a System having many parts to be designed, one should always do the _

► **Simple part**

_____ first

Hard part

Simple part

Development part

Quality part

Question No: 23 (Marks: 1) - Please choose one

One can download or upload files to a remote computer using _ ► **TELNET**
_____ protocol.

► HTTP
► SMTP
► FTP
► **TELNET**

Question No: 24 (Marks: 1) - Please choose one

Which one is the example of spreadsheet software ? ► **MS Excel**

MS Word
MS PowerPoint
MS Excel
MS Access

Question No: 25 (Marks: 1) - Please choose one

User can remotely log on to a computer and can have a control over it like a local user using ► **TelNet Protocol and connected to the user through TCP/IP network**

TelNet Protocol
TelNet Protocol and connected to the user through TCP/IP network
TelNet protocol and FTP
TCP/IP and FTP

Question No: 26 (Marks: 1) - Please choose one

Hardware malfunctions is related to ► **Data integrity**

Data updates

Data integrity

Data security

Data accessibility

Question No: 27 (Marks: 1) - Please choose one

With the passage of time the field of Computing and Telecommunication is _

► **Converging**

► Diverging

► **Converging**

► Becoming different

► Becoming unique

Question No: 28 (Marks: 1) - Please choose one

Microphone is an input as well as output device. This statement is ► **False**

► True

► **False**

Question No: 29 (Marks: 1) - Please choose one

Application developers do not need to know much about the HW, especially the microProcessor, while they are developing their application. ► **True**

True

False

Question No: 30 (Marks: 1) - Please choose one

From which of the following is NOT a technique through which Security can be improved : ► **Metal detectors**

Private or virtual-private networks

Firewalls

Metal detectors

Virus detectors

Question No: 31 (Marks: 1)

SMTP stands for what?

Ans: Simple Message transfer protocol

Question No: 32 (Marks: 1)

In programming, what is an object ?

Ans: An object is the collection of properties(date,state) and methods (instruction ,behavior)

Question No: 33 (Marks: 2)

In which situation we should use Inline Event Handling?

Ans: Event handlers are placed in the BODY portion of a web page as attributes of HTML tags

The event handler attributes consist of 3 parts

- The equal sign

- The identifier of event handler

- A string consisting of java script statements enclosed in double or single string

Multiple javascript statements can be placed in that string ,but all have to fit in a single line .

No new line characters with in line event handling

Inline event handler can be used normally in a condition when we want to execute the event directly and quickly in the same line of code.

Question No: 34 (Marks: 2)

In JavaScript, what is event handling? What are the two types of events?

Ans: In JavaScript capturing of an event and responding to them is event handling. The system sends events to the program and the program responds to them as they arrive.

Events can include things a user does - like clicking the mouse.

Events that the system itself does - like updating the clock.

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Question No: 35 (Marks: 3)

What is the preferred organizational structure for the organization?

Ans: Preferred Organizational Structure for organization is hierarchical.

Where there are different departments interconnected with each other and are being divided according to the functions they perform.

1) Executive Team

2)

- a) business development

- team b) Architecture Team

- c) technology Transfer team

3)

- a) configuration Management Team

- b) Process Team

- c)Quality assurance Team
- d)Support team

4)

- development Team A
- development Team B
- development Team C
- development Team D

Question No: 36 (Marks: 3)

What are the Sub categories of Artificial Intelligence? Briefly explain any two.

Ans

a)Neural networks: original inspiration was human brain emphasis now usefulness as a computational tool

1) Genetic Algorithms : based on darwins evolutionary principle

GA requires the ability to recognize a good solution but not how to get to that solution
rule based systems
the right techniques

Question No: 37 (Marks: 3)

Differentiate Local and Global Variables.

Ans:

Local Variables:

When a function is defined the variable use for storing values are incorporated inside the function these variables are found and used only inside these functions are called local variables. These have no presence outside the function

Global Variables : Global variables on the other hand are present throughout the script and their values can be accessed by any function. They have global scope

Question No: 38 (Marks: 5)

Write the JavaScript code for the Function SumOddNumbers(maxNumber) that can add non-negative odd numbers up to maxNumber and return their sum.

Question No: 39 (Marks: 5)

What is animated gif? How can we use it? If we animate images in JavaScript then is it better?

Ans: It is a bitmap image format introduced in 1987 by CompuServe. It supports up to 8 bits per pixel. It also supports animation and allows a separate palette of 256 colors for each frame.

Uses: We can use it in web sites they are suitable for sharp edged line art with limited number of colors. They are good for small animation and low resolution clips.

The size is small and on web sites they can be uploaded and downloaded easily

Question No: 40 (Marks: 10)

What is the problem with Relational Database and what solution you can suggest for it?

Ans:

when we use to store object oriented data into a Relational database it need to be translated in form which is suitable for the relational database. Again when we need to read RDBMs the Data need again back to be translated into object oriented form to read.

This two process delay associated processing and time spent in writing and maintaining the translation codes are the key disadvantage with Relational Database .

Solution:

Object oriented database
Object Relational database

The data should be divided and save in multiple table and tabular form ,so that open ,searching ,sorting ,editing and saving of data can be performed quickly. With tabular form one can sort w.r

Question No: 41 (Marks: 10)

How can we neutralize DoS attack? Can we track the attacker?

Ans: Denial of service attempt to make a computer resource unavailable to its Intended user . Easiest way to survive an attack is to have planned for the attack. Good contact with ISP and some security providers and CERT are essential also having a separate emergency block of IP address for Critical servers with a separate rout can be effective.

We should use genuine operating system can also be helpful.

By using an extremely stateful packet filter that will inexpensively drop any unwanted packet surviving DoS attack Becomes much Easier.

We can also use Fierwalls .

Using Antivirus softwear

Using private net work

Using encryption

Network Sniffer

Intrusion detector By using all these techniques we can neutralize DoS Attack

Investigative process should begin immediately after the DoS Attack begins.

By using IP address we can Track Attacker.



FINALTERM EXAMINATION
Fall 2009
CS101- Introduction to Computing (Session - 2)

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

The memory size of the Altair 8800 was

- 128 bytes
- 128 Kilo bytes
- 256 Kilo bytes

256 bytes

Question No: 2 (Marks: 1) - Please choose one

A named collection of properties (data, state) and methods (instruction, behavior) is called _____.

- Array
- Function
- Variable

Object

Question No: 3 (Marks: 1) - Please choose one

JavaScript Variables are _____.

Dynamically Typed

- Statically Typed
- Strong Typed
- None of the given options

Question No: 4 (Marks: 1) - Please choose one

Serial arrangement in which things follow logical order or a recurrent pattern, such as statements executing one by one, is called _____.

- Loop
- Sequence
- Condition

Array

Question No: 5 (Marks: 1) - Please choose one

Rule of thumb learned through trial and error is called _____.

- Design
- Heuristic**
- Plan
- Aim

Question No: 6 (Marks: 1) - Please choose one

According to heuristic, if you can't explain it in _____ minutes, either you don't understand it or it does not work.

10

2

5

4

Question No: 7 (Marks: 1) - Please choose one

To store rounded number of 8.6 in a variable called "r_number", we write

r_numbers=Maths.rounds(8.6)
r_number=Math.rounds(8.6)
r_number=Math.round(8.6)
r_number=Maths.round(8.6)

Question No: 8 (Marks: 1) - Please choose one

Using only HTML we can create

Dynamic web pages

Static web pages

Both Static and Dynamic pages

None of these

Question No: 9 (Marks: 1) - Please choose one

_____ function returns the largest integer that is less than or equal to x.

round(x)

floor

ceil

abs(x)

Question No: 10 (Marks: 1) - Please choose one

Due to working at home, contact with the colleagues is _____, which may result in _____ quality of work

Reduced, Poorer

Reduced, Better

Increased, Poorer

Increased, Better

Question No: 11 (Marks: 1) - Please choose one

The distance among families is _____ because of spending more time on internet.

Increased

Expanded

Contracted

Decreased

Question No: 12 (Marks: 1) - Please choose one

When web server is busy it gives the following message to the user :

Time out

Waiting

Server busy

None of the given options

Question No: 13 (Marks: 1) - Please choose one

_____ is designed for detecting viruses and inoculating.

Antivirus

Utility

Trojan

None of the given choices

Question No: 14 (Marks: 1) - Please choose one

The _____ is becoming the preferred organizational structure for more and more organizations with the passage of time.

Tree structured organizational model

Network paradigm

Hierarchical structure

None of the given options

Question No: 15 (Marks: 1) - Please choose one

Planning and tracking of the project is the responsibility of the_____.

Project Manager

Architect

Developer

Chief Executive Officer

Question No: 16 (Marks: 1) - Please choose one

The responsibilities of the Team Lead includes_____.

Planning and tracking of the project

Detailed design

Professional development of team members

All of the given options

Question No: 17 (Marks: 1) - Please choose one

_____ team is responsible for a project after the specification's stage till the very end.

Executive

Architect

Development

HR

Question No: 18 (Marks: 1) - Please choose one

There are _____ types of errors.

2

3

4

5

Question No: 19 (Marks: 1) - Please choose one

_____ are the computers that perform at or near the currently highest operational rate for computers.

Minicomputers

Microcomputers

Supercomputers

Personal Computers

Question No: 20 (Marks: 1) - Please choose one

Which one of these is NOT an example of storage devices?

▶ Tape

▶ **RAM**

▶ Floppy

▶ DVD

Question No: 21 (Marks: 1) - Please choose one

Forms can be submitted by using _____ different methods

▶ **2**

▶ 3

▶ 4

▶ 5

Question No: 22 (Marks: 1) - Please choose one

Which is NOT true for JavaScript variable name ?

Student

Roll_no_1111

For

_schedule

Question No: 23 (Marks: 1) - Please choose one

One can browse documents residing on a remote computer using _____ protocol.

HTTP

SMTP

FTP

TELNET

Question No: 24 (Marks: 1) - Please choose one

Which one is the example of spreadsheet software ?

MS Word

MS PowerPoint

MS Excel

MS Access

Question No: 25 (Marks: 1) - Please choose one

User can remotely log on to a computer and can have a control over it like a local user using

TelNet Protocol

TelNet Protocol and connected to the user through TCP/IP network

TelNet protocol and FTP

TCP/IP and FTP

Question No: 26 (Marks: 1) - Please choose one

Hardware malfunctions is related to

Data updates

Data integrity

Data security

Data accessibility

Question No: 27 (Marks: 1) - Please choose one

PowerBuilder falls in the category of _____.

Assembly Languages

4-th Generation Languages

Machine Languages

High-Level Languages

Question No: 28 (Marks: 1) - Please choose one

Backbone is also called as _____.

vBNS

BNS

vHBNS

HBNS

Question No: 29 (Marks: 1) - Please choose one

Global variables can make the logic of a web page.

Difficult to understand

Easier to understand and maintain

Difficult to reuse and maintain

Difficult to understand, reuse and maintain

Question No: 30 (Marks: 1) - Please choose one

In JavaScript: In order to display the text on browser **Grade A**, which of following statement is True.

documentwrite("Grade A")

document.write("Grade A");

document.write("Grade" && A");

document.write("Grade" && "A");

Question No: 31 (Marks: 1)

What is bandwidth?

Bandwidth is a capacity of communication channel of carrying data.

Question No: 32 (Marks: 1)

What is "My Personal Agent"?

A computer programme that work automatically and have voice interface

Question No: 33 (Marks: 2)

For what purposes FTP is used in networks ?

To download or upload files / data to a remote computer

Question No: 34 (Marks: 2)

How can you define a readable program?

A program that is easy to read & understand also easy to maintain and enhance.

Question No: 35 (Marks: 3)

What is the preferred organizational structure for the organization?

The Network Organization: It is becoming the preferred organizational structure.

Question No: 36 (Marks: 3)

How can you define a consistent web design? Why is it needed?

A consistent web design is Easy understandable, not with heavy graphics, easy navigation. It is needed because most of the website views leave the site because of poor navigation and not easy to understand, text and design is not clear etc.

Question No: 37 (Marks: 3)

Elaborate Vector or Object oriented graphics with atleast one example.

Vector treats everything that is drawn as object, they are resolution independent and relatively small file size. For example swg, svg, wmf.

Question No: 38 (Marks: 5)

What are the advantages of multimedia presentations? Write any five.
Multimedia presentation is a great tool for effective communication:

Advantages:

- Easy to make last minute change
- More attractive
- Can include animation, videos etc.
- Better presentation easy to understand for participants comparing to manual presentation.
- Undo feature

Question No: 39 (Marks: 5)

Can a human doctor be replaced by an Expert System? Give reasons to support your answer.

Expert System is a computer system which simulates the knowledge and expertise of a human expert. Yes, a human doctor can be replaced by an Expert System. Following are the reasons to support my answer:

- A large database of knowledge can be added to and kept up to date, it can store more knowledge than a person.
- The Expert System cannot FORGET or get facts wrong.
- It survives forever. There is no loss of knowledge as there is when a doctor retires.
- The Expert System can access specialist knowledge that a doctor may not have.

Question No: 40 (Marks: 10)

Explain the following issues of Data Management? (3+4+3)

Data entry

Data updates

Data security

DATA ENTRY:

There is new data entered every day.

New customers are added every day.

Some of the data entry requires the manual entry into computer system New data entry needs to be entered correctly

DATA UPDATES:

Old titles must be removed regularly

Data changes every time

Prices change

Transportation / shipping cost changes

Customer personal data changes

Schemes changing, new offers

Every new entry needs to be entered correctly

DATA SECURITY:

All data in the system is very critical to its operation, the security of the customer's personal data is most important. Most of the hackers are always trying for that type of information specially Credit Card Numbers. This problem can be managed by using proper security arrangements and mechanisms that provides access to only authorized entities. System Security can be improved through, encryption, firewalls and updated Antivirus Softwares

Question No: 41 (Marks: 10)

Write a note on the followings

Image Preloading process
Animated Gifs

IMAGE PRELOADING PROCESS:

The primary use of image preloading process is to download the image into the cache before it is actually needed to display.

PROCESS:

An example of the image object is shaped using the NEW keyword
The src property of this instance is set equal to the filename of the image to be pre-loaded

This step starts the down-loading of the image into the cache without actually displaying

When a pre-loaded image is required to be displayed, the src property of the displayed image is set to the src property of pre fetched image

ANIMATE GIFS:

We can save 16 gif images of the previous example in a single file in the form of an animated gif, and then used it in a regular tag to display a moving image. However, JavaScript provide better control over the sequencing and the gap between the individual images.



FINALTERM EXAMINATION
Fall 2009
CS101- Introduction to Computing (Session - 4)

Question No: 1 (Marks: 1) - Please choose one

Success of a website is defined by _____.

- ▶ User correct is user
- ▶ **Designer** x
- Developer
- Programmer

Question No: 2 (Marks: 1) - Please choose one

Which one is correct for JavaScript?

- ▶ **onMouseOver**
- OnMouseOver
- onmouseover
- All of the given

Question No: 3 (Marks: 1) - Please choose one

An indexed list of elements is called _____.

- Collection
- Array**
- Set
- Group

Question No: 4 (Marks: 1) - Please choose one

_____ is the way that internet domain names are located and translated into IP addresses.

- FTP
- VoIP
- DNS**
- TCP

Question No: 5 (Marks: 1) - Please choose one

The browser breaks down the URL into _____ parts.

- 2
- 3** —
- 4
- 5

Question No: 6 (Marks: 1) - Please choose one

Which one of the following is not an event handler's attribute?

- Function
- Identifier

Equal sign

String consisting of JavaScript statements

Question No: 7 (Marks: 1) - Please choose one

JavaScript Variables are _____.

► **Dynamically Typed**

Statically Typed

Strong Typed

None of the given options

Question No: 8 (Marks: 1) - Please choose one

Which of the following is NOT a Loop statement?

For

While

Switch

Do-While

Question No: 9 (Marks: 1) - Please choose one

According to a popular heuristic, success is defined by _____.

The user

The builder

Both user and builder

None of the given options

Question No: 10 (Marks: 1) - Please choose one

Which one of the following is an application for artificial intelligence?

► **Robotic**

Web Agent

Decision Support System

All of the given options

Question No: 11 (Marks: 1) - Please choose one

Using only HTML we can create

Dynamic web pages

Static web pages

Both Static and Dynamic pages

None of these

Question No: 12 (Marks: 1) - Please choose one

The _____ is connected to all other modules of the microprocessor.

► **Control unit**

Memory unit

Floating Point unit

Arithmetic and Logic unit

Question No: 13 (Marks: 1) - Please choose one

Which of the followings is NOT a Relational DBMS software.

Access

FrontPage

FileMaker Pro

SQL Server

Question No: 14 (Marks: 1) - Please choose one

country="Hello Pakistan";

document.write(country.length);

The out put of the above statement is _____.

12

13

14

15

Question No: 15 (Marks: 1) - Please choose one

The distance among families is _____ because of spending more time on internet.

► **Increased**

Expanded

Contracted

Decreased

Question No: 16 (Marks: 1) - Please choose one

_____ is a field that uniquely identifies each record stored in a table.

Composite Key

Primary key

Foreign key

None of the given options

Question No: 17 (Marks: 1) - Please choose one

Planning and tracking of the project is the responsibility of the _____.

Architect

Team Lead

Developer

Chief Executive Officer

Question No: 18 (Marks: 1) - Please choose one

_____ has great PR skills.

Architect

Team Lead

Project Manager

Chief Executive Officer

Question No: 19 (Marks: 1) - Please choose one

_____ team is responsible for a project after the specification's stage till the very end.

Executive

Architect

Development

HR

Question No: 20 (Marks: 1) - Please choose one

A large number of networks interconnected physically is called _____

LAN

MAN

Internet

Network collection

Question No: 21 (Marks: 1) - Please choose one

Efficiency is _____ to universality

Equal

Direct proportional

Inversely proportional

Not proportional

Question No: 22 (Marks: 1) - Please choose one

There are _____ ways of calling functions.

One

Two

Three

Four

Question No: 23 (Marks: 1) - Please choose one

Which protocol is use to transfer a file over the network ?

UDP

FTP

TCP

OSI

Question No: 24 (Marks: 1) - Please choose one

Writing a response, multiple statements are separated from each other with the help of



Period (.)

Comma (,)
Colon (:)
Semicolon (;)

Question No: 25 (Marks: 1) - Please choose one

Popular schemes used for reducing bytes for storage are:

RGB and Color mapping
RGB and Dithering
RGB, Color mapping and Dithering
Color mapping and Dithering

Question No: 26 (Marks: 1) - Please choose one

_____ has the ability to automate and simplify daily tasks.

Productivity software

Application software

System software

Graphical software

Question No: 27 (Marks: 1) - Please choose one

Which representation technique of algorithm is more suitable for developer to make actual code _____.

pseudo code

flow chart

both pseudo code and flow chart

Heuristics

Question No: 28 (Marks: 1) - Please choose one

_____ is used to terminate all JavaScript statements.

Colon

Semicolon

Underscore

Apostrophe

Question No: 29 (Marks: 1) - Please choose one
CONCATENATE operator is used to _____ elements.

- Subtract
- Multiply
- Join**
- Add

Question No: 30 (Marks: 1) - Please choose one
In partitioning of program/module, it should be assured that partitioned chunks should be as _____ as possible.

- Dependent
- Independent**
- Complex
- All of the above

Question No: 31 (Marks: 1)
What is the out put of the following JavaScript code ?
`name="Ali Akbar";`
`document.write(name.charAt(4)) ;`

Ans. A

Question No: 32 (Marks: 1)
What does WAN stand for?

Wide Area Network – A network in which computers are separated by great distances typically across cities or even continents.

Question No: 33 (Marks: 2)
Why hub is used in networks?

The network traffic controller – components of conventional computer networks.
Hub is used to connect the different computers in the network i.e. to the server.

Question No: 34 (Marks: 2)
What is output of the following JavaScript code ?
`Str="Virtual University of Pakistan";`
`document.write(str.substring(5,str.length)) ;`

Question No: 35 (Marks: 3)
Explain how many ways businesses monitor their employees?

Systems are available that monitor or most every key stroke that an employee makes on computer. Systems are available that read and sensor all incoming

and outgoing email. It is quite straight forward to monitor where you surf and when.

Question No: 36 (Marks: 3)

Differentiate Local and Global Variables.

Local or function level variable effective only in the function in which they are declared while global variables visible everywhere on the webpage. Declaration variables using the var keyword within a function makes them local. They are available only within the function and hold no meaning outside of vs global.

Question No: 37 (Marks: 3)

Elaborate Vector or Object oriented graphics with atleast one example.

Treats everything that is drawn an object. Objects retain their identity after their drawn. These objects can later be easily moved stretched duplicated deleted etc are resolution independent relatively small size. e. g. swf, wmf,

Question No: 38 (Marks: 5)

Show output of the following code:

```
for (i=0; i<=10; i++)  
{  
  document.write("The number is " + i);  
  document.write("<br />");  
}
```

The number is 0
The number is 1
The number is 2
The number is 3
The number is 4
The number is 5
The number is 6
The number is 7
The number is 8
The number is 9
The number is 10

Question No: 39 (Marks: 5)

Why should we, as computing professionals, be interested in studying the social implications of our creations?

This is imp. Because of keeping the track of money wise while implementation actually and see the results. This fits with the organization or no. to check there is any side effects morally or no. we have to be very careful while creation of any system., error free, data loose recovery. Etc.

Question No: 40 (Marks: 10)

Write responsibilities of the followings

1. Developer

Module level design.
Coding
Unit testing

2. Executive Team

Responsible for the day to day operations.

All the decision related issues.

Policy making and changing etc.

e.g. In this usually CEO and CMSO involves

1. He is responsible for the day to day operation and great organizational skills.

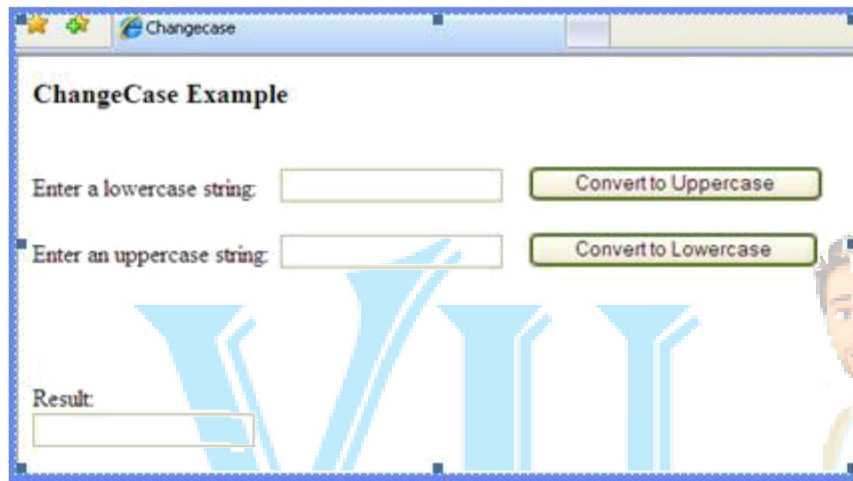
3. Support Team

The support team is responsible for the complete operations such as arrangement for performing any kind of task from the starts to the end. Fully project handling and performing etc. In case of any maintenance they are the responsible for commencing the job and making sure to complete.

Question No: 41 (Marks: 10)

Write HTML and JavaScript code for the requirements shown in the diagram below.

When ConvertToUpperCase button is pressed, the entered text is converted to upper case and result is displayed in the result text box. Similarly, when ConvertToLowerCase button is pressed, the entered text is converted to lower case and result is displayed in the result text box.



The screenshot shows a web browser window with the title 'ChangeCase'. The page content is titled 'ChangeCase Example'. It features two input fields for text entry. The first input field is preceded by the label 'Enter a lowercase string:' and has a 'Convert to Uppercase' button to its right. The second input field is preceded by the label 'Enter an uppercase string:' and has a 'Convert to Lowercase' button to its right. Below these inputs is a 'Result:' label followed by an empty text box for displaying the output. A large, light blue 'VU' watermark is visible in the background of the page.

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FINALTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing (Session - 1)

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

Website design should NOT be _____.

Unified

Complex

Consistent

Predictable

Question No: 2 (Marks: 1) - Please choose one

Navigation should remain _____.

Consistent

Conflicting

Contradictory

Unpredictable

Question No: 3 (Marks: 1) - Please choose one

_____ is a program that executes instructions line by line written in a high-level language.

Interpreter

Compiler

Predictor

Executor

Question No: 4 (Marks: 1) - Please choose one

Detailed plan, specifying the required resources and expected deliverables, is done in _____ phase.

Planning

User Requirements

Design

Developer Specification

Question No: 5 (Marks: 1) - Please choose one

A single pixel can acquire approximately _____ color schemes.

1 million

2 million

10 million

16 million

Question No: 6 (Marks: 1) - Please choose one

Which of the following data types are recognized by JavaScript?

Strings

Numbers

Undefined

All of the given options

Question No: 7 (Marks: 1) - Please choose one

According to heuristic, if you can't explain it in _____ minutes, either you don't understand it or it does not work.

10

2

5

4

Question No: 8 (Marks: 1) - Please choose one

The idea of Neural Networks field is based upon _____.

Human nature

Human brain

Human culture

Human actions

Question No: 9 (Marks: 1) - Please choose one

Fuzzy logic is based on _____.

Ground facts

Experience

Practice

Approximation

Question No: 10 (Marks: 1) - Please choose one

$a = \text{Math.ceil}(12.01)$

What will be the value of a ?

12

13

12.0

13.01

Question No: 11 (Marks: 1) - Please choose one

Which of the followings is NOT a Relational DBMS software.

Access

FrontPage

FileMaker Pro

SQL Server

Question No: 12 (Marks: 1) - Please choose one

Due to working at home, contact with the colleagues is _____, which may result in _____ quality of work

Reduced, Poorer

Reduced, Better

Increased, Poorer

Increased, Better

Question No: 13 (Marks: 1) - Please choose one

When web server is busy it gives the following message to the user :

Time out

Waiting

Server busy

None of the given options

Question No: 14 (Marks: 1) - Please choose one

Trinoo is a _____ software.

DoS

Scanning

Utility

None of the given options

Question No: 15 (Marks: 1) - Please choose one

We use _____ to stop Break-Ins.

Scanners

Intrusion detectors

Utilities

None of the given options

Question No: 16 (Marks: 1) - Please choose one

Spies of one business monitoring the network traffic of their competitors' _____.

► Industrial Intelligence

Industrial Espionage

Industrial Spying

Industrial Surveillance

Question No: 17 (Marks: 1) - Please choose one

One of the key responsibilities of the _____ is client relationship management.

Project Manager

Team Lead

Developer

Quality Assurance Engineer

Question No: 18 (Marks: 1) - Please choose one

There are _____ types of errors.

2

3

4

5

Question No: 19 (Marks: 1) - Please choose one

The important attribute of image tag is _____.

src

image

None of the given options

► alt

Question No: 20 (Marks: 1) - Please choose one

Name, Border , Source are the _____ of the image object.

Event Handler

Properties

Methods

None of the given options

Question No: 21 (Marks: 1) - Please choose one

_____ breaks down the message, to be sent over the internet, into packets.

Protocol

TCP

IP

NIC

Question No: 22 (Marks: 1) - Please choose one

_____ is a client program that uses HTTP to make requests to Web servers throughout the internet on behalf of the user.

Web Application

Web Browser

Internet Application

HTML

Question No: 23 (Marks: 1) - Please choose one

We can change the background color in HTML, using ____ attribute of <body>

background

bgcolor

backcolor

backgroundcolor

Question No: 24 (Marks: 1) - Please choose one

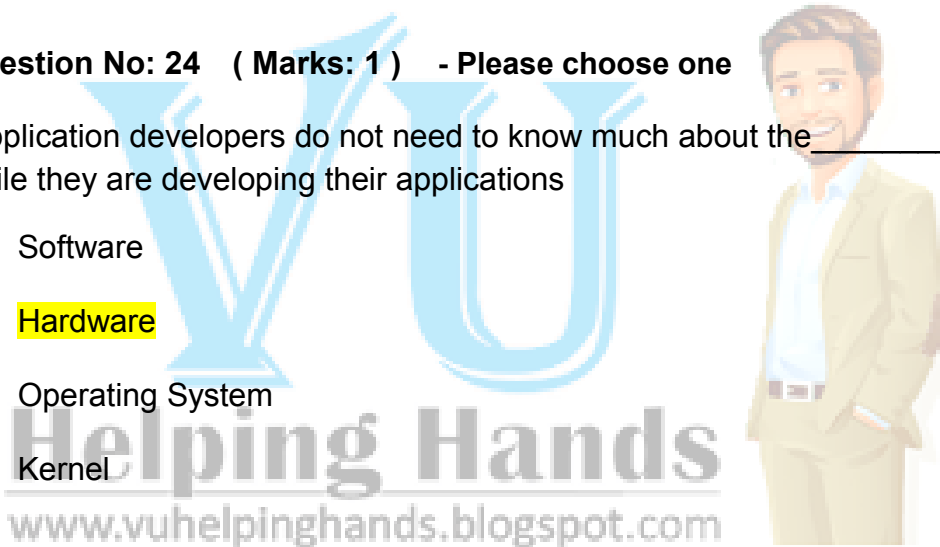
Application developers do not need to know much about the _____ while they are developing their applications

Software

Hardware

Operating System

Kernel



Question No: 25 (Marks: 1) - Please choose one

After computer is turned ON, the Loader loads _____ into the memory.

Hardware

Device Manager

File Manager

Kernel

Question No: 26 (Marks: 1) - Please choose one

Users look for _____ solution.

Optimal

First good enough

Good

Best

Question No: 27 (Marks: 1) - Please choose one

Hardware malfunctions is related to

Data updates

Data integrity

Data security

Data accessibility

Question No: 28 (Marks: 1) - Please choose one

JavaScript function fixed() has equivalent HTML tag-set _____

<.FIX>.....</FIX>

<F>.....</F>

<PRE>.....</PRE>

<H>.....</H>

Question No: 29 (Marks: 1) - Please choose one

What is the key feature of computer which is against human nature?

Can't get bored.

Pattern recognition

Repetition

None

Question No: 30 (Marks: 1) - Please choose one

_____ means to break down into simpler components and analyze.

Recursion

Parsing

Scope

Navigation

Question No: 31 (Marks: 1)

SMTP stands for what?

Simple Mail Transfer Protocol

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Question No: 32 (Marks: 1)

How can we stop mail bombing attack ?

By Email Filtering

Question No: 33 (Marks: 2)

For what purposes FTP is used in networks ?

We can download or upload files to remote computers on a TCP/IP Network

Question No: 34 (Marks: 2)

How can you define a readable program?

A program which is easy to read and understand and easy to maintain and enhance.

Question No: 35 (Marks: 3)

What is the preferred organizational structure for the organization?

The network paradigm is the preferred organizational plan which is replaced by old layered, tree structured organizational model. People think that business can be done in more effective manner if more emphasis on cooperation, shared responsibility and networking within the organization and also outside the organization. The structure of the networked organization is flexible and changeable according to the requirements of the user. It shares knowledge and decentralizes the control of the operation so that network works effectively and business may achieve goals of the organization.

Question No: 36 (Marks: 3)

Differentiate between LAN and WAN with one example of each.

LAN(local Area network) A network within a same building or some nearly located buildings. Example is Network of a university or college.

WAN (Wide Area Network) A network which is scattered in a very big area even to the other cities or countries. It may consist of many LANs also. Internet is the best example of WAN.

Question No: 37 (Marks: 3)

Differentiate between onLoad and onUnload

onLoad executes the specified JavaScript code when a new document is loaded into a window.

onUnload executes the specified JavaScript code when a user exits a document.

Question No: 38 (Marks: 5)

Mention any five applications of Artificial Intelligent System.

Medical Diagnosis
Robots
Games
Business Intelligence
Image Recognition

Question No: 39 (Marks: 5)

Explain function arguments with the help of an example?

Function is a group of statements which is defined once in a web page and can be used repeatedly. It is also known as procedure, subprograms and subroutine. By using functions codes becomes easier to understand and number of lines are also reduced. It is easy to maintain a function because we make a single change in a function and it reflects on multiple locations.

It is a comma separated list of data. It defines interface between the web page and the function. Arguments values are passed to the function by value or by reference. It should be defined in the HEAD portion of Web pages before called up.

Example:

```
Function add( a, b ){
```

```
    c = a + b ;
```

```
    return c ;
```

```
}
```

```
sum = add( 2, 4 ) ;
```

```
document. write( sum ) ;
```

Question No: 40 (Marks: 10)

What is Data Integrity? How can we ensure it (any three ways) ? (4+6)

Data integrity is the maintaining, consistency and correctness of the data. Consistency means there should be no conflict between data items and correctness is the freedom of error. It means there should be no error in the given data. Data should be interrelated also and easy to access the required data.

There are many ways to integrate data.

Limit Integrity: By limiting the values of data items to specified ranges to prevent illegal values. Age of person should not be negative is the best example.

Type Integrity is enforced by specifying the type of a data item. Using credit cards we need to enter exactly 12 digits. More are less are not allowed.

Referential Integrity is implemented by an item referenced by the data for some other item and it must exist in the database. Reservation of a flight is the example.

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Question No: 41 (Marks: 10)

Define network organization? What are important features of network organization? (4+6)

FINALTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

Charles Babbage was a/an

Mathematician

Computer Scientist

Physician

Analyst

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Question No: 2 (Marks: 1) - Please choose one

A variable can be _____ in scope.

Local

Global

Either local or global

None of the given options

Question No: 3 (Marks: 1) - Please choose one

A _____ is a meaningful, easy-to-remember 'label' for an IP address.

TCP address

Domain name

Network name

VoIP

Question No: 4 (Marks: 1) - Please choose one

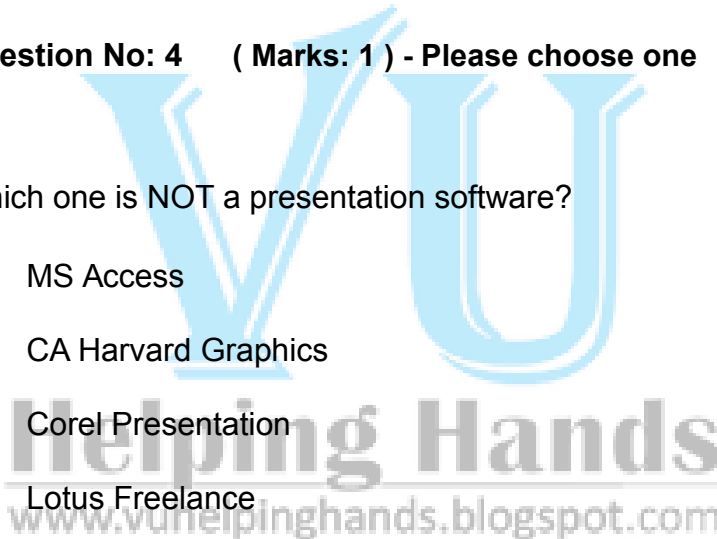
Which one is NOT a presentation software?

MS Access

CA Harvard Graphics

Corel Presentation

Lotus Freelance



Question No: 5 (Marks: 1) - Please choose one

Capturing events and responding to them is called _____.

Function Handling

Event Handling

Event Procedure

All of the given option

Question No: 6 (Marks: 1) - Please choose one

Rule of thumb learned through trial and error is called _____.

Design

Heuristic

Plan

Aim

Question No: 7 (Marks: 1) - Please choose one

In the old days, databases did NOT support _____.

Number

Boolean

Video

Text

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Question No: 8 (Marks: 1) - Please choose one

The _____ is connected to all other modules of the microprocessor.

Control unit

Memory unit

Floating Point unit

Arithmetic and Logic unit

Question No: 9 (Marks: 1) - Please choose one

In tabular storage, fields placed in a particular row are strongly _____.

- Independent
- Dependent
- Interrelated
- Inconsistent

Question No: 10 (Marks: 1) - Please choose one

_____ function returns the largest integer that is less than or equal to x.

- round(x)
- floor
- ceil
- abs(x)



Question No: 11 (Marks: 1) - Please choose one

Due to working at home, contact with the colleagues is _____, which may result in _____ quality of work

- Reduced, Poorer
- Reduced, Better
- Increased, Poorer
- Increased, Better

Question No: 12 (Marks: 1) - Please choose one

Tribal flood network is a _____ software.

DoS

Scanning

Utility

None of the given options

Question No: 13 (Marks: 1) - Please choose one

A stream of large sized emails are sent to an email address for overloading the destination account, is called _____.

DoS Attack

Break-Ins

Mail Bombing

All of the given options

Question No: 14 (Marks: 1) - Please choose one

To stop industrial espionage, we use_____.

Private network

Encryption

Network sniffer

All of the given options

Question No: 15 (Marks: 1) - Please choose one

Unlike virus, _____ is a stand-alone program.

Trojan horse

Logic bomb

Worm

Time bomb

Question No: 16 (Marks: 1) - Please choose one

Smart editors can automatically color different parts of statements in different colors e.g. comments in _____ color.

Green

Grey

Blue

Red

Question No: 17 (Marks: 1) - Please choose one

onAbort , onError are the _____ of the image object.

Event Handler

Properties

Methods

None of the given options

Question No: 18 (Marks: 1) - Please choose one

Quantum Mechanics is the branch of _____; which describes the activity of subatomic particles

Chemistry

Computer Science

Physics

Biology

Question No: 19 (Marks: 1) - Please choose one

Communication protocol is a _____ that governs the flow of information over a network

Set of protocols

Set of rules

Device

Set of methods

Question No: 20 (Marks: 1) - Please choose one

Web is a unique invention by humans in terms that it is:

► accessible to only the owners who control it

- accessible from particular locations only
- accessible to all humans
- accessible to only the educational institutes

Question No: 21 (Marks: 1) - Please choose one

_____ is the example of server-side scripts on Unix servers.

ASP

CGI

VBScript

JavaScript

Question No: 22 (Marks: 1) - Please choose one

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Which is NOT true for JavaScript variable name ?

Student

Roll_no_1111

For

_schedule

Question No: 23 (Marks: 1) - Please choose one

User can remotely log on to a computer and can have a control over it like a local user using

TelNet Protocol

TelNet Protocol and connected to the user through TCP/IP network

TelNet protocol and FTP

TCP/IP and FTP

Question No: 24 (Marks: 1) - Please choose one

Popular schemes used for reducing bytes for storage are:

RGB and Color mapping

RGB and Dithering

RGB, Color mapping and Dithering

Color mapping and Dithering

Question No: 25 (Marks: 1) - Please choose one

Which function returns a randomly selected floating point number between 0 and 1 ?

floor(x)

ceil(x)

random()

round(x)

Question No: 26 (Marks: 1) - Please choose one

In flat-file databases each record was separated by a special character named :

Horizontal bar

Vertical bar

Text bar

Character bar

Question No: 27 (Marks: 1) - Please choose one

With the passage of time the field of Computing and Telecommunication is _____.

Diverging

Converging

Becoming different

Becoming unique

Question No: 28 (Marks: 1) - Please choose one

Which of the following is NOT true about modern computers?

- More powerful
- Smaller in size
- Consume less energy
- Costly

Question No: 29 (Marks: 1) - Please choose one

Mathematical functions in JavaScript, are accessed by referring to various methods of the _____ object.

- Math
- Calculate
- Compute
- None of the given options

Question No: 30 (Marks: 1) - Please choose one

An algorithm that always takes the best immediate or local solution while finding an answer is called _____

- Deterministic Algorithm
- Non deterministic Algorithm
- Greedy Algorithm
- Randomized Algorithm

Question No: 31 (Marks: 1)

SMTP stands for what?

Question No: 32 (Marks: 1)

What are the types of computer network according to the distance between nodes?

Question No: 33 (Marks: 2)

What is the Data Normalization? Also define its goal.

Question No: 34 (Marks: 2)

What is the use of *Default* keyword in switch structure?

Question No: 35 (Marks: 3)

What is the difference between Internet and Intranet ?

Question No: 36 (Marks: 3)

Write down three advantages of using Functions in a program.

Question No: 37 (Marks: 3)

What are Trojan Horses ?

Question No: 38 (Marks: 5)

In which situation, we use:

- i- switch construct
- ii- multiple If-else construct

Question No: 39 (Marks: 5)

List any five issues of Data Management.

Question No: 40 (Marks: 10)

How can you make your website's structure more navigable?

Question No: 41 (Marks: 10)

Define network organization? What are important features of network organization? (4+6)

FINALTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing (Session - 2)

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

Most frequently used computers are:

Mainframe Computers

Personal Computers

Supper Computers

Embedded Computers

Question No: 2 (Marks: 1) - Please choose one

Success of a website is defined by _____.

User

Designer

Developer

Programmer

Question No: 3 (Marks: 1) - Please choose one

_____ breaks down the message to be sent over the internet into packets.

► FTP

HTTP

TCP

IP

Question No: 4 (Marks: 1) - Please choose one

JavaScript does not support _____

User interaction

Graphics

Network operations

Both Graphics and Network operations

Question No: 5 (Marks: 1) - Please choose one

Detailed plan, specifying the required resources and expected deliverables, is done in _____ phase.

Planning

User Requirements

Design

Developer Specification

Question No: 6 (Marks: 1) - Please choose one

In a good presentation each slide should contain _____.

Heading

Phrases not sentences

Sentences not phrases

Heading, sentences not phrases

Question No: 7 (Marks: 1) - Please choose one

Which one of the following is NOT a primary color?

Red

Green

Yellow

Blue

Question No: 8 (Marks: 1) - Please choose one

Spread sheet is a type of _____.

Productivity software

Engineering software

Mathematical software

Business software

Question No: 9 (Marks: 1) - Please choose one

When '+' operator is used with string operands, it _____ both strings.

Adds

Subtracts

Concatenates

► Compares

Question No: 10 (Marks: 1) - Please choose one

When web server is busy it gives the following message to the user :

Time out

Waiting

Server busy

None of the given options

Question No: 11 (Marks: 1) - Please choose one

Which attribute of the IMG tag tells us about the source of the image

_____.

source

path

loc

src

Question No: 12 (Marks: 1) - Please choose one

The _____ is becoming the preferred organizational structure for more and more organizations with the passage of time.

Tree structured organizational model

Network paradigm

Hierarchical structure

None of the given options

Question No: 13 (Marks: 1) - Please choose one

The Information technology has three components _____.

Telecom Engineering, Network Engineering, Computer Science

Telecom Engineering, Computer Engineering, Computer Science

Telecom Engineering, Computer Engineering, Database Engineering

Telecom Engineering, Computer Engineering, Hardware Engineering

Question No: 14 (Marks: 1) - Please choose one

_____ has great PR skills.

Architect

Team Lead

Project Manager

Chief Executive Officer

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Question No: 15 (Marks: 1) - Please choose one

_____ errors are caused by the code that somehow violates the rule of the language.

Syntax

Semantic

Run time

Load time

Question No: 16 (Marks: 1) - Please choose one

A large number of networks interconnected physically is called _____

LAN

MAN

Internet

Network collection

Question No: 17 (Marks: 1) - Please choose one

When the packets reach at destination, _____ reassembles them into original message.

Protocol

TCP

IP

NIC

Question No: 18 (Marks: 1) - Please choose one

A collection of data organized in such a way that the computer can quickly search for a desired data item is known as :

Retrieving

Database

Information

DBMS

Question No: 19 (Marks: 1) - Please choose one

If an algorithm is syntactically correct, but semantically incorrect then this situation is

Very good situation

Very dangerous situation

Not very bad

Neutral situation

Question No: 20 (Marks: 1) - Please choose one

In Heuristics “Common Sense Lessons” are drawn from

History

Experience

Biography of Scientists

General knowledge

Question No: 21 (Marks: 1) - Please choose one

Users look for _____ solution.

Optimal

First good enough

Good

Best

Question No: 22 (Marks: 1) - Please choose one

The key property of the ‘Array’ object in JavaScript is

Value

Length

Name

All of the given choices

Question No: 23 (Marks: 1) - Please choose one

In JavaScript, each element of array can store data of type

A Number

An Array

A String variable

All of the given choices

Question No: 24 (Marks: 1) - Please choose one

Which is NOT true for JavaScript variable name ?

Student

Roll_no_1111

For

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_schedule

Question No: 25 (Marks: 1) - Please choose one

In JavaScript, second element of an array has the index:

2

0

1

3

Question No: 26 (Marks: 1) - Please choose one

Which protocol is use to transfer a file over the network ?

UDP

FTP

TCP

OSI

Question No: 27 (Marks: 1) - Please choose one

Users communicate with the computer using a consistent user interface provided by the OS.

True

False

Question No: 28 (Marks: 1) - Please choose one

Data was stored and counted mechanically using ----- decimal storage wheels, ----- rotary dial switches.

300,400

1300,1400

30100,14100

3000 , 1400

Question No: 29 (Marks: 1) - Please choose one

From which of the following is NOT a technique through which Security can be improved :

Private or virtual-private networks

Firewalls

Metal detectors

Virus detectors

Question No: 30 (Marks: 1) - Please choose one

Data integrity, in Database management system is necessary because it:

Refers to provide security to the data

Refers to provide security to the data

Refers to maintaining the correctness of data

Refers to maintaining the consistency of the data

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Question No: 31 (Marks: 1)

What are the types of computer network according to the distance between nodes ?

Question No: 32 (Marks: 1)

What is an IP address ?

Question No: 33 (Marks: 2)

What is internet?

Question No: 34 (Marks: 2)

Define semantic web with respect to the present web?

Question No: 35 (Marks: 3)

Explain how many ways businesses monitor their employees?

Question No: 36 (Marks: 3)

How can you define a consistent web design? Why is it needed?

Question No: 37 (Marks: 3)

Differentiate between onLoad and onUnload

Question No: 38 (Marks: 5)

What is the role of usability in the design of a website?

Question No: 39 (Marks: 5)

Write a short note on:

Testing

Debugging

Question No: 40 (Marks: 10)

Write responsibilities of the followings

1. Developer
2. Executive Team
3. Support Team

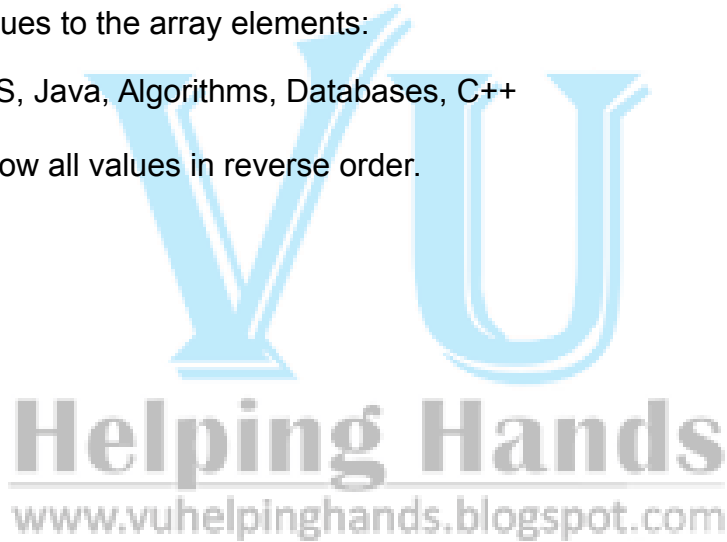
Question No: 41 (Marks: 10)

Write down HTML and JavaScript code for the following requirements:

Declare an Array with the identifier SUBJECT having length 5. Assign following values to the array elements:

MIS, Java, Algorithms, Databases, C++

Show all values in reverse order.



FINALTERM EXAMINATION

Fall 2009

CS101- Introduction to Computing

Time: 120 min

Marks: 75

Question No: 1 (Marks: 1) - Please choose one

What is NOT a key factor while designing a website?

Usability

User-friendly

Consistency

Complexity

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Question No: 2 (Marks: 1) - Please choose one

To improve the time for scanning a web page, text should be _____.

Centered

Left Aligned

Right Aligned

Staggered

Question No: 3 (Marks: 1) - Please choose one

Which of the following number system is used by microprocessor?

Binary

Decimal

Octal

Hexadecimal

Question No: 4 (Marks: 1) - Please choose one

Which one is NOT a presentation software?

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MS Access
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CA Harvard Graphics

Corel Presentation

Lotus Freelance



Question No: 5 (Marks: 1) - Please choose one

A function is also called _____.

Sub-program

Procedure

Sub-routine

All of the given option

Question No: 6 (Marks: 1) - Please choose one

Which of the following data types are recognized by JavaScript?

Strings

Numbers

Undefined

All of the given options

Question No: 7 (Marks: 1) - Please choose one

The _____ reserved word allows a determined action to be taken if the first condition is false.

For

While

Else

Switch

Question No: 8 (Marks: 1) - Please choose one

Security can also be improved through _____.

Encryption

Typing errors

Transmission errors

Hardware malfunctions

Question No: 9 (Marks: 1) - Please choose one

The organizations are learning that business can be done in a more effective manner if emphasis is placed upon _____.

Cooperation

Shared responsibility

Networking

All of the given options

Question No: 10 (Marks: 1) - Please choose one

After the DoS attack in year 2000, Yahoo servers were recovered in _____.

1 hour

2 hours

3 hours

4 hours

Question No: 11 (Marks: 1) - Please choose one

When web server is busy it gives the following message to the user :

- Time out
- Waiting
- Server busy
- None of the given options

Question No: 12 (Marks: 1) - Please choose one

Tribal flood network is a _____ software.

- DoS
- Scanning
- Utility
- None of the given options

Question No: 13 (Marks: 1) - Please choose one

Spies of one business monitoring the network traffic of their competitors' _____.

- Industrial Intelligence
- Industrial Espionage
- Industrial Spying
- Industrial Surveillance

Question No: 14 (Marks: 1) - Please choose one

Planning and tracking of the project is the responsibility of the_____.

Architect

Team Lead

Developer

Chief Executive Officer

Question No: 15 (Marks: 1) - Please choose one

The effective way not to only write programs but also it works properly and further more to minimize the time and the development cost of the program is called_____

Programming Mechanism

Programming Methodology

Programming Synchronization

None of the given options

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Question No: 16 (Marks: 1) - Please choose one

Sequence of steps that is taken to solve a problem is called _____.

Algorithm

Operating System

Application software

None of the given options

Question No: 17 (Marks: 1) - Please choose one

Which one is correct?

<BODY></BODY>

<body></body>

Both <BODY></BODY> and <body></body>

<BODY/>

Question No: 18 (Marks: 1) - Please choose one

In which case Cache Memory is used

To increase RAM speed

To overcome BUS speed

To overcome Speed rate between RAM and CPU

To overcome CPU speed

Question No: 19 (Marks: 1) - Please choose one

In Heuristics “Common Sense Lessons” are drawn from

History

Experience

Biography of Scientists

General knowledge



Question No: 20 (Marks: 1) - Please choose one

In a System having many parts to be designed, one should always do the _____ first

Hard part

Simple part

Development part

Quality part

Question No: 21 (Marks: 1) - Please choose one

The key property of the 'Array' object in JavaScript is

Value

Length

Name

All of the given choices

Question No: 22 (Marks: 1) - Please choose one

One can send an email message to a remote computer using _____ protocol

HTTP

SMTP

FTP

► TELNET

Question No: 23 (Marks: 1) - Please choose one

_____ occurs when a function calls itself.

Recursion

Call by value

Call by reference

Parsing

Question No: 24 (Marks: 1) - Please choose one

Hardware malfunctions is related to

Data updates

Data integrity

Data security

Data accessibility

Question No: 25 (Marks: 1) - Please choose one

With the passage of time the field of Computing and Telecommunication is

_____.

Diverging

Converging

Becoming different

Becoming unique

Question No: 26 (Marks: 1) - Please choose one

_____ software directly interacts with the hardware.

Application software

System software

Dynamic software

Distributed software

Question No: 27 (Marks: 1) - Please choose one

When the microprocessor desires to look at a piece of data, it checks in the _____ first.

RAM

ROM

hard disk

cache

Question No: 28 (Marks: 1) - Please choose one

By today's standards, the Mark-I was slow and requiring 3 to 5 seconds for a multiplication operation.

True

False

Question No: 29 (Marks: 1) - Please choose one

In partitioning of program/module, it should be assured that partitioned chunks should be as _____ as possible.

- Dependent
- Independent
- Complex
- All of the above

Question No: 30 (Marks: 1) - Please choose one

Ada is a programming language specifically designed for

- Analytical Engine
- Difference Engine
- Harvard Mark 1
- Mechanical engine

Question No: 31 (Marks: 1)

What is an Array?

Question No: 32 (Marks: 1)

What are the other names of function? Any one.

Question No: 33 (Marks: 2)

What is meant by semantic error ?

Question No: 34 (Marks: 2)

Which benefits a developer can achieve by following the heuristics for system architecting?

Question No: 35 (Marks: 3)

How can you define a consistent web design? Why is it needed?

Question No: 36 (Marks: 3)

Define Primary key and Queries

Question No: 37 (Marks: 3)

Briefly describe Holographic Storage.

Question No: 38 (Marks: 5)

Write HTML and JavaScript code that displays a textbox and button on a web page. When user enters text in the text box and click the button it displays that text in the message box.

Question No: 39 (Marks: 5)

What is Robotics? How Robots making our daily and industrial life easy?

Question No: 40 (Marks: 10)

Write down the output of the following lines of JavaScript code?

a) `<script type="text/javascript">`

`document.write(Math.round(5.92))`

`</script>`

b) `<script type="text/javascript">`

`var name="Muhammad Abdul Bashir"`

document.write(name.length)

</script>

<script type="text/javascript">

var str="This is my test string"

document.write(str.charAt(9))

</script>

<script type="text/javascript">

var str="VU Learning Management System "

document.write(str.indexOf("system")+"
")

</script>

e) <script type="text/javascript">

var str="Virtual University of Pakistan"

document.write(str.substr(23))

</script>

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Question No: 41 (Marks: 10)

Write down HTML and JavaScript code for the following requirements: Declare an Array with the identifier SUBJECT having length 5. Assign following values to the array elements:

MIS, Java, Algorithms, Databases, C++

Show all values in reverse order.